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Mann's DESCRIPTIVE CATALOGUE

Guide FOR THE Farm AND Garden

62.93

High Grade

SEEDS

P. MANN & CO., 2077 7TH St., NW.
WASHINGTON, D.C. Opp. Centre Market.

A list of Vegetable Seeds that can be sown in each month from February to September

FEBRUARY

Sow in hotbed: **Early Beans, Early Cabbage, Forcing Carrot, Early Celery, Cucumber, Egg-Plant, Early Lettuce, Parsley, Pepper, Radish, Tomato.**

MARCH

Sow in hotbed: **Early Beans, Early Beets, Brussels Sprouts, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg-Plant, Kohl-Rabi, Lettuce, Melon, Parsley, Peas, Pepper, Radish, Tomato.**

Sow in open ground: **Beets, Carrot, Cress, Leek, Onion, Peas, Potatoes, Radish, Spinach, Early Turnip, Sweet Peas.**

APRIL

Sow in hotbed: **Cucumber, Egg-Plant, Melon, Pepper, Tomato.**

Sow in open ground: **Asparagus, Beans, Beets, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Celery, Cress, Endive, Kale, Kohl-Rabi, Leek, Lettuce, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Spinach, Early Turnip, Sweet Peas.**

MAY

Artichoke, Asparagus, Beans, Beets, Brussels Sprouts, Late Cabbage, Carrot, Cauliflower, Celery, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohl-Rabi, Leek, Lettuce, Melon, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Tomato, Early Turnip, all Herbs.

JUNE

Beans, all kinds; Beets, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohl-Rabi, Lettuce, Melon, Nasturtium, Okra, Early Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Herbs.

JULY

Beans, Beets, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale, Kohl-Rabi, Lettuce, Nasturtium, Okra, Early Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Herbs.

AUGUST

Beans, Bush; Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Turnip.

SEPTEMBER

Cabbage for cold frames, Cauliflower for cold frames, Corn Salad, Cress, Siberian Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip, Sweet Peas.

OUR TERMS ARE ALWAYS CASH WITH ORDER OR SATISFACTORY WASHINGTON OR BALTIMORE REFERENCES

How to Remit. You can send your remittance at our risk by Post Office or Express Money Order, or by registered letter. We cannot hold ourselves responsible for cash sent loose in letters.

Be sure to sign your name and give your full address on every order you send us. We frequently receive orders without name or address. If you do not hear from your order in a reasonable time write us fully, giving date of mailing, how you remitted and copy of order sent. We will try to trace it.

We deliver free, at our option, to any post-office or express office in the United States all packets, ounces, ¼ pounds and pounds of Vegetable or Flower Seeds, at prices quoted in this catalogue. Prices quoted on Bulbs, Roots, Plants, Farm Seeds, Grass Seeds, Implements, Fertilizers and the like are Net, F. O. B. Washington, D. C., unless quoted otherwise.

Give full directions on all orders to be shipped by freight or express. Give your post-office, also your freight or express office, county and State, and advise us whether you wish goods shipped by freight or express.

Please order as early as you conveniently can. We aim to fill all orders promptly. Should there be any cause for delay we will write you stating when we expect to forward.

Warranting Seeds. While we use great care, both for our own and our customers' interest, to supply and furnish the best seeds that it is possible to obtain, there are so many conditions—weather and other causes—affecting the growth of seeds and the out-turn of crops, that it must be distinctly understood that all our seeds are sold under the conditions in regard to non-warranty of seeds, which have been generally adopted by the seed trade and which are as follows:

"We give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned."

P. MANN & CO.,
Washington, D. C.

January 1st, 1915.

Order for Seeds

FROM

P. MANN & CO.,

207 7th ST. N. W., Opp. Centre Market

WASHINGTON, D. C.

Messrs. P. MANN & Co. give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

BE SURE TO FILL IN THESE BLANKS

Name_____

Street, P. O. Box or R. F. D. Number_____

Post-Office _____

County_____ State_____

Express or Freight Office _____

Ship order by _____

AMOUNT ENCLOSED

Postal Money Order, $_____

Express Money Order, _____

Draft, _____

Currency, _____

Postage Stamps, _____

Date_____ 19

QUANTITY	ARTICLES WANTED	PRICE	

SPECIAL NOTICE

We shall esteem it a great favor if you will give us in the spaces below the NAMES and ADDRESSES of any of your friends who buy seeds. We wish to send them our SEED ANNUAL

NAMES	POST-OFFICE	STATE

Mann's Reliable Vegetable Seeds

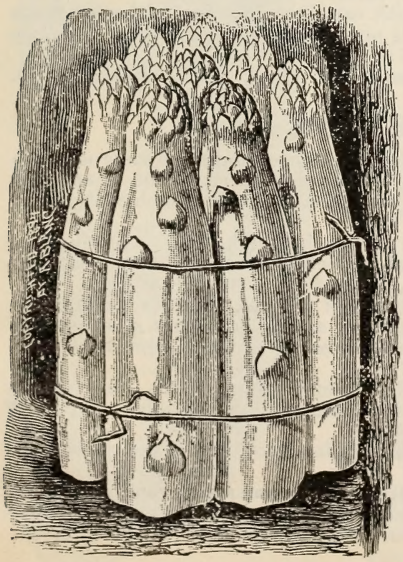
GROWN ESPECIALLY FOR

MARKET GARDENERS AND TRUCKERS

AND THEREFORE THE BEST FOR PRIVATE USE

IN presenting this our 1915 Catalogue to our patrons and friends we wish to thank them for the very liberal support they have accorded us during the past years, and trust they will favor us with their patronage in the future. The flattering reports received from customers about the quality of our seeds have been very gratifying.

In the pursuant pages we have endeavored to list and illustrate in the most concientious and trust worthy manner the most dependable varieties of Seeds which we have fouud in our twenty-five years of experience to be real money makers for the market gardeners, truckers and shippers, also some of the newer kinds which have recently been introduced in this country and Europe, which are worthy of your liberal trial. It will be noticed that we have devoted no special pages to novelties which are generally found in most catalogues. We consider it more preferable to group the different varieties of one vegetable family together, for in this manner they can be referred to more readily. Our prices are low. Again unfavorable weather conditions during the past growing season has proved fatal to many crops. However, our largely increased contracts and special preparations made far ahead, enable us to supply our steadily increasing trade with the best Seeds at reasonable prices; to this we invite your careful comparison. Thanking our customers, old and new, for their liberal patronage and steady support which encourages us in our efforts to improve the standard of our Seed stocks and serve our customers better each season. With this spirit we again solicit the business of those who may have occasion to purchase Seeds, Farm Implements, etc. and feel assured that all will have most careful and business-like attention.



PALMETTO ASPARAGUS

ASPARAGUS

One ounce will sow 50 feet of drill; 4 to 5 pounds to the acre.

CULTURE.—Sow in April or May, in rows 1 foot apart, and keep clean by frequent hoeing. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of 18 inches. On the approach of winter, cover with manure or compost; fork the beds early in spring and apply a dressing of salt or kainit at the rate of 600 pounds an acre. Cut for use the second year after planting.

PALMETTO.—A very early maturing and prolific variety, producing an abundance of very large, deep green shoots of the best quality. SEED—Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound 60c. ROOTS—75c. per 100; $5.00 per 1000.

CONOVER'S COLOSSAL.—This sort is one of the largest and most extensively used green varieties. Shoots bright green, sometimes tinged with purple at the top, very tender and of the best quality. SEED—Packet, 5c. Ounce, 10c. ¼ pound, 20c Pound, 60c. ROOTS—75c. per 100; $5.00 per 1000.

COLUMBIAN MAMMOTH WHITE.—Introduced by us in 1893. Furnishes shoots of exceptionally large size and of superior tenderness and flavor. Color clear white until four to six inches above the surface. A large proportion of the seeds will produce white shoots and the green ones can be easily rejected when setting out the permanent bed. SEED—Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c. ROOTS—85c. per 100; $6.00 per 1000.

ASPARAGUS KNIVES.—30c. each. By mail, 35c. each.

BEANS–Dwarf or Bush–Green Pod

Krup-Bohnen, Ger.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE. ONE QUART WILL PLANT 100 FEET OF DRILL

CULTURE.—Dwarf Beans may not be safely planted until the middle of April owing to the late frost, but may be planted thereafter as desired, until the middle of August.

Select high, rich soil, make drills two feet apart, drop beans along the rows and cover with earth. Hoe often to keep earth to the stems.

IMPROVED EXTRA EARLY RED VALENTINE.—Is the favorite sort for growers who supply the early markets, because its growth is so rapid, and because it stands shipment perfectly. It is a heavy cropper, and ready to pick in about forty days. Pint, 15c. Quart, 30c. Peck, $1.75. Bushel, $6.50.

KING OF THE EARLIES.—Possesses all the merits of the Red Valentine, and in addition has other valuable points. The pod is fully one-third longer than the Red Valentine and is perfectly round and straight; of a beautiful green color. Quart, 30c. Peck, $2.00. Bushel, $7.50.

EXTRA EARLY REFUGEE.—The pods are flashy and of fine quality; very hardy. Qt., 30c. Pk., $1.75. Bushel, $6.50.

NEW BOUNTIFUL.—A new greenpod Bush Bean, which comes into bearing very early and continues almost throughout the season. Absolutely stringless; good shell bean for winter use. Quart, 30c. Peck, $2.00. Bushel, $8.00.

BURPEE'S STRINGLESS GREEN POD.—This new bean produces a vine similar to Red Valentine, but develops pods to edible condition two or three days earlier than Valentine; that is to say, in thirty to thirty-one days from germination, which extraordinary maturity for table at once advances the Stringless Green Pod to the first rank among table beans. Quart, 30c. Peck, $2.00. Bushel, $8.00.

IMPROVED RED VALENTINE

DWARF HORTICULTURAL.—Large, green pods, splashed with carmine. Excellent either as snaps in the green state, or shelled green or dry. In this neighborhood is one of the very best selling beans on the market. Quart, 30c. Peck, $2.00. Bushel, $7.00.

WHITE PEA OR NAVY.—Boston Baking Bean. Price per quart, 20c. Peck, $1.50. Bushel, $4.50.

WAX SNAP OR BUSH BEANS

PENCIL POD BLACK WAX.—Pencil Pod Black Wax grows a taller, stronger and more vigorous bush than the Improved Prolific Black Wax, which is one of its parents. The other parent is the Round Pod Refugee or Thousand to One, and from this latter source the Pencil Pod Black Wax gets much of its vigor, hardiness and productiveness. Quart, 30c. Peck, $2.00. Bushel, $8.00.

Wardwell's Kidney Wax.—Strong, upright bush growth, 15 inches in heighth, very productive. Pods straight, fleshy, 5 inches in length, one-half inch broad. A rich golden yellow, brittle and entirely stringless, even when fully developed, of mild flavor. Quart, 30c. Peck, $2.25. Bushel, $8.00.

Dwarf German Wax.—One of the finest Snap-shorts, and the oldest of the wax varieties; pods transparent, waxy yellow, and snap like pipe-stems; boil as rich as butter, and when highly seasoned are luscious; they are thick and very tender, entirely stringless, and fully as early as the Valentine. Quart, 30c, Peck, $2.00. Bushel, $8.00.

Improved Golden Wax.—(Rust proof.)—This variety, the pods of which are of a dark, rich golden-yellow color, is rapidly surpassing the famous Golden Wax, which has been the most popular and most desirable of all Wax varieties. Quart, 30c. Peck, $2.00. Bushel, $8.00.

Currie's Rust-Proof.—Pods long, flat and straight, of a beautiful golden color. Price per quart, 30c. Peck. $2.25. Bushel, $8.50.

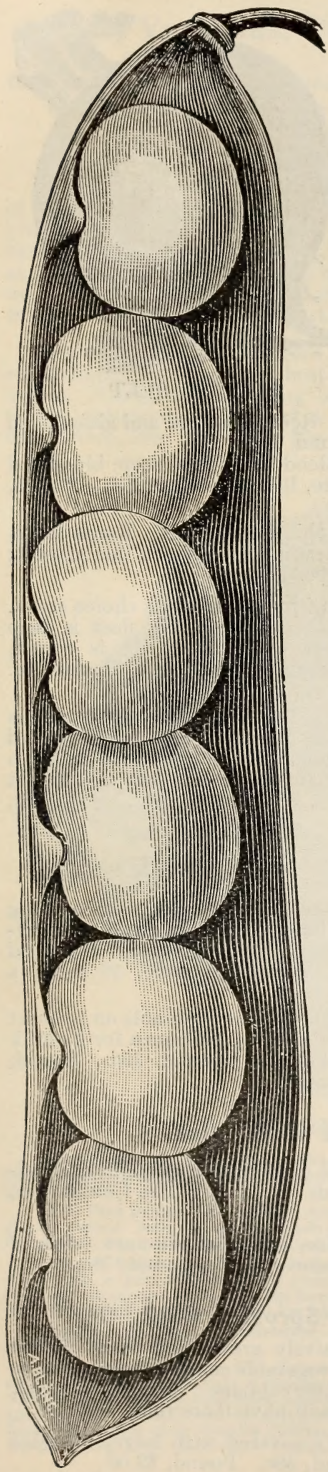
Hodson Wax.—A new and distinct type of wax bean; strong, healthy growth, and resists rusts and blight to a remarkable degree. Remarkably prolific, the plant being loaded with long, straight, handsome pods, resembling the Wardwell's Kidney Wax, but plumper, straighter and longer. Quart, 30c. Peck, $2.25. Bushel, $8.00.

If beans are ordered by mail or express prepaid, add 10c. per pint, 15c. per quart, for charges.

Stangen Bohen, Ger.

POLE BEANS

1 qt. to 150 hills



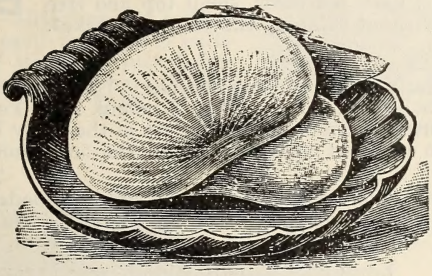
KING OF THE GARDEN

LAZY WIFE'S POLE BEAN.—The pods grow from six to eight inches long, entirely stringless, of a rich, buttery flavor when cooked. Pods retain their tender, rich flavor until nearly ripe. A good white shell bean for winter use. Quart, 30c. Peck, $2.25. Bushel, $8.00.

SPECKLED HORTICULTURAL, OR CHERRY.—Very productive; equally good in green state or when shelled. Quart, 30c. Peck, $2.25. Bushel, $8.00.

KENTUCKY WONDER OR OLD HOMESTEAD.—We regard this variety as being the most desirable, best and earliest of all the green-podded running beans. Quart, 30c. Peck, $2.00. Bushel, $8.00.

DWARF LIMA BEANS



FORDHOOK BUSH LIMA

BURPEE'S IMPROVED BUSH LIMA.—This is claimed by the introducers to be superior to the old standard Burpee's Bush Lima. Grows more vigorous with heavier foliage; matures sixteen days earlier. Beans are larger and of better quality. It is the earliest of the large Bush Limas. Vines are very prolific. Pint, 20c. Quart, 40c. Peck, $3.00. Bushel, $10.00.

DREER'S BUSH LIMA.—Possesses all the good qualities of the Dreer's Improved Pole Lima, which has long been admitted to be one of the best quality. It is of true bushy habit, growing vigorously about two feet high. Quart, 30c. Peck, $2.00. Bushel, $8.00.

FORDHOOK BUSH LIMA BEAN.—The only stiff erect bush form of the Potato Lima. Both pods and beans are twice the size of the Kemerle or Dreer's Bush Lima. Quart, 40c. Peck, $2.50. Bushel, $10.00.

POLE LIMA BEANS

SEIBERT'S EARLY LIMA.—Extra early, vigorous growth and productive. Pods long and well filled. Beans large and handsome. Gives entire satisfaction wherever grown. Quart, 30c. Peck, $1.75. Bushel, $7.00.

DREER'S IMPROVED POLE LIMA.—The distinctive features of this are the early maturity, large yield, and extra quality. The bean itself is thick and round, rather than oval shaped, as most Limas are. Quart, 30c. Peck, $2.00. Bushel, $7.50.

CARPINTERIA POLE LIMA.—A new variety, producing beans of largest size, with a greenish tint, which is so much desired both for market and family use. The beans are of the very finest quality, thin skin, extra tender, and of the finest flavor. Vines vigorous, strong, very productive, pods 5 to 6 inches long, closely filled, usually with four to five beans. Splendid for home use or market garden. Pint, 20c. Quart, 35c. Peck, $2.25.

FORD'S MAMMOTH.—The pods grow to an average length of eight inches, are produced in great clusters, with from five to seven beans per pod, of most excellent quality, for using either green or dry. Quart, 30c. Peck, $2.00. Bushel, $8.00.

KING OF THE GARDEN.—Large bean and pod; very heavy cropper. Quart, 30c. Peck, $2.00. Bushel, $7.50.

OWING TO SHORT CROPS OF BEANS, PRICES ARE SUBJECT TO CHANGE.

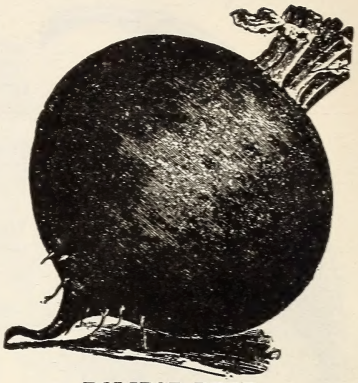
GARDEN BEETS

Culture.—If wanted very early, sow in hot-beds and transplant. For general use plant seed as early as ground can be nicely worked, usually about first of April. Sow in drills 1 foot apart, about 1 inch deep, and thin out to 2 inches apart in rows. One ounce of seed to 50 feet of drill; 6 to 8 pounds per acre.

Crosby's Egyptian.—This variety is as early as the original Egyptian, but by careful selection has been made thicker, and of better quality. For **early** use, either for market or for family gardens, this variety easily takes the lead. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Crimson Globe.—A second early variety, somewhat oblong in shape, with smooth skin and very dark flesh. Good quality. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Early Eclipse.—Very early, dark red color, small top and free from fibrous roots; will grow without thinning the plants. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 65c.

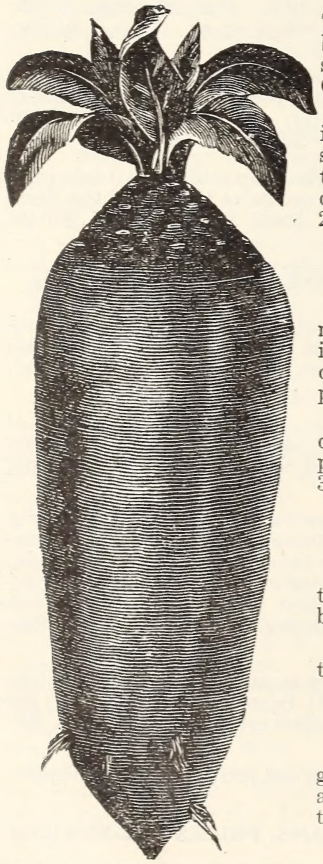


ECLIPSE BEET

Detroit Dark Red.—Very early and an excellent keeper. Tops small. Roots dark red and globular in shape. Tender and sweet. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Improved Early Blood Turnip.—An improved variety of the Early Blood Turnip; of deep, blood-red color; fine form and flavor. An excellent market sort. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 65c.

Extra Early Bassano Beet.—This beet is sometimes called Philadelphia Sugar Beet. Roots large, turnip shape; come very early, and are very sweet and tender; one of the leading varieties in this market; flesh bright light red. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 60c.



MAMMOTH LONG RED

Edmand's Turnip Blood.—Seed grown from originator's choice stock. This variety is thoroughly fixed and uniform in type. The flesh is deep blood-red in color, and exceedingly sweet and tender. It is round, smooth, of good market size, and does not grow over-large. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

Swiss Chard, or Silver Sea Kale Beet.—The leaves are used as greens in same manner as spinach, and the stems and midribs are often cooked and served as asparagus. Plants should be thinned to about one foot apart in the row. They continue growing until frost, furnishing a supply of the most delicious greens the entire season. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

MANGEL WURZEL—For Stock

Improved Mammoth Long Red.—The heaviest cropping and best long mangel. This mammoth variety grows to an immense size, single roots weighing twenty to thirty pounds each, and always of a very fine texture and good quality. ¼ pound, 15c. Pound, 35c. Five pounds or more, 30 cents a pound.

Golden Tankard.—A distinct variety, particularly valuable on account of its richness in saccharine matter; highly prized by dairymen for its milk producing qualities. Deep yellow flesh and skin. ¼ pouud, 15c. Pound, 35c. Five pounds or more, 30 cents per pound.

BROCCOLI (Spargle Kohl.) Ger.

Sow thinly in seed beds about the middle of Spring; transplant and cultivate the same as cabbage. Produces heads very nearly like Cauliflower, but more hardy.

Early Large White.—Heads medium size, close and compact. One of the most certain to head. Packet, 10c. Ounce, 25c. ¼ pound, 75c.

BRUSSELS SPROUTS (Sprossen Kohl.) Ger.

Brussels sprouts are being more extensively grown and used. Home gardeners are finding out that this delicious vegetable can be as easily grown as cabbage. Sow in May and manage as winter cabbage. In the Fall break the leaves down so that the little cabbage will have more room to grow.

Perfection.—The best variety is closely covered with large, compact sprouts. Packet, 5c. Ounce, 20c. ¼ pound, 60c. Pound, $2.00.

American-Grown
Selected

CABBAGE

Choux Poenmes, French
Coyf Kohl, Ger.

Early Varieties, Pointed Heads

One ounce will produce about 2,000 plants. One-quarter pound of seed in beds will produce plants for one acre.

Culture.—Start your early crop in hot-bed middle of February, covering seed about one-half inch; transplant to cold frames soon as plants are large enough, three or four inches each way. Remove glass part of each day to harden plants and plant out in open ground middle of April. For general crop sow in open ground in June in hills three feet apart.

Selected Jersey Wakefield.—Many market gardeners consider this the very best early cabbage in cultivation. Certainly deserving of its great popularity. Grown extensively for market and shipping. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

EARLY JERSEY WAKEFIELD

COPENHAGEN MARKET

Large Wakefield, or Charleston Wakefield.—Selection from Early Jersey Wakefield, only it is about one week later than that popular early variety, but grows much larger, heads often averaging 15 to 18 pounds. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.75.

Early York.—A well-known variety; of small size; shape, roundish oval. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.75.

Henderson's Early Spring.—This variety is nearly as early as the Jersey Wakefield, but the heads are of the round, flat type of Early Summer. It has very small outer leaves, short stem and very small heart, making almost entire head fit for use. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

Henderson's Early Summer.—About 10 days later than the Early Wakefield, but being fully double the size, it may be classed as decidedly the best large Early Cabbage, and is deservedly popular with market gardeners. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50

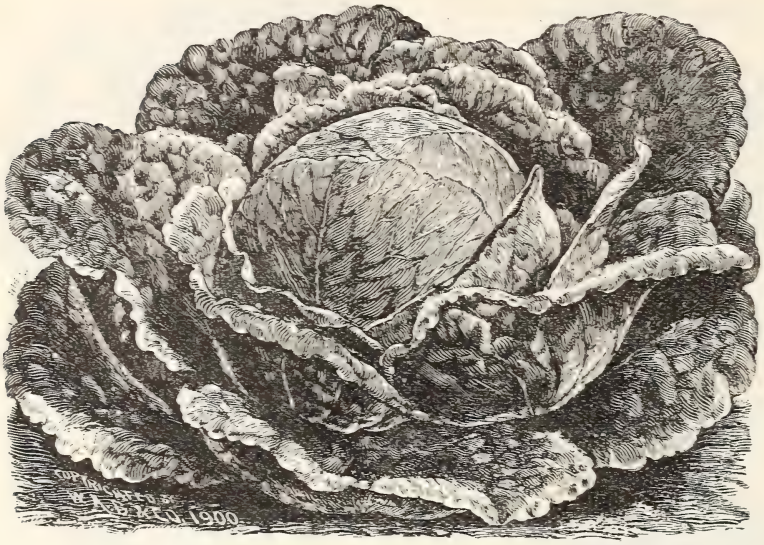
Early Flat Dutch.—An excellent second early variety, producing fine large heads after the first early varieties have disappeared. Highly valued, both for its fine quality and ability to stand the hot sun and dry weather. Heads very solid, broad and round, flattened on top, tender and fine grained. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

Glory of Enhuizen.—This is a Holland product, and has made good in this country wherever it has been planted. Produces a very heavy crop, is quite early, large and round; always extremely solid and fine-ribbed, excelling in flavor almost all other varieties. It is exceedingly tender and has more of the flavor of the "Savoy" Cabbage than most other sorts; quite dwarf and compact, allowing close planting. Heads ball-shaped and with few outside leaves. Color is a lightish green. Packet, 10c. Ounce, 30c. ¼ pound, 75c. Pound $2.50.

Danish Ball-Head, or Hollander.—A very solid, hard-heading, heavy variety; an excellent keeper. Ounce, 25c. ¼ pound, 50c. Pound, $1.75.

Copenhagen Market.—The earliest large round-headed cabbage yet introduced. The heads are of exceptionally large size for so early a variety. The plant is of vigorous habit but compact, with short stem and few outer leaves which are of rather upright growth. The leaves are medium light green, nearly round, comparatively thick and smooth. The heads are round, very solid and of exceptionally good quality. Its earliness, compact growth, uniformity and size of head, firmness and most excellent quality combine to make Copenhagen Market the most valuable cabbage of recent introduction. We recommend it unreservedly both for the home garden and the market gardening trade. (See cut.) Packet, 10c. Ounce, 40c. ¼ pound, $1.25. Pound, $4.00.

CABBAGE—Continued.

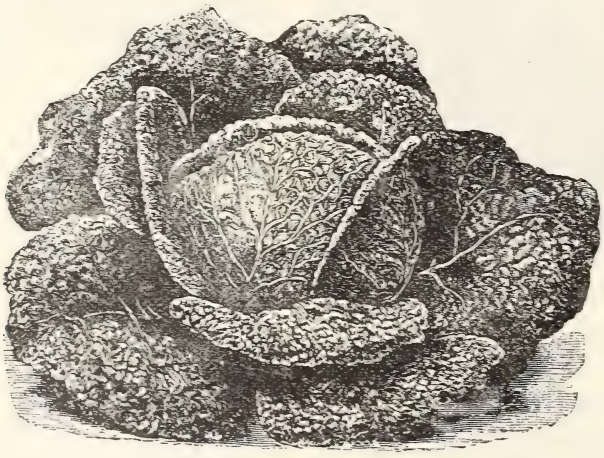


LATE FLAT DUTCH CABBAGE

All-Head Early.—A thoroughbred sort, especially recommended on account of its uniform size and shape and relaibility for heading. Makes a deep, flat head, solid and uniform in color, shape and size. In tenderness it is unsurpassed. Can be grown either for summer or winter use. Packet, 5c. Ounce, 25c. ¼ pound, 60c. Pound, $2.00.

All Seasons.—Heads very large, round, solid and of fine quality, keeping as well as the winter sorts. Plant very vigorous, but sure heading. Remarkable for its ability to stand the hot sun and dry weather. Ounce, 15c. ¼ pound, 50c. Pound, $1.50.

Autumn King or World Beater.—One of the finest strains of Late Cabbage ever offered. It produces regular, even heads of **enormous size,** and can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, from the fact of its producing so few outer leaves. Packet, 5c. Ounce, 20c. ¼ pound. 50c. Pound, $1.75.



SAVOY CABBAGE—Drumhead

Premium Late Flat Dutch

This variety is largely grown for late or main crop, being the favorite market variety. Heads very large, solid and broad, with flat tops; of fine flavor and quality, very short stems. Packet, 5c. Ounce, 15c. ¼ pound, 40c. Pound, $1.50.

SAVOY CABBAGE

The Savoy or Curly Cabbages are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Grown in the fall and allowed to be touched by frost it is a most delicious vegetable.

Improved American Savoy.—Far superior to the ordinary Drumhead Savoy offered under different names. Heads large and very finely curled; short stalk, compact grower; sure header; keeps well. The best of all Savoys for home use or market. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

RED DUTCH CABBAGE

Large Red Drumhead (extra selected).—Although many so-called new varieties have been introduced, there is none, we believe, superior to our strain of Large Red Drumhead. Wherever tried it has given universal satisfaction. Heads are large, round, very solid, and of a deep-red color. Ninety-five per cent will form extra fine heads. Excellent for pickling. Packet, 5c. Ounce, 15c. ¼ pound, 50c. Pound, $1.75.

CARROTS

1 ounce to 150 feet drill. 2½ pounds to acre.

Culture.—Follow directions given for Beets and Parsnips, as there is no difference in the method of cultivating these roots.

Danvers Half Long Point Root Carrot

Early Scarlet Horn.—Small, but early. Best for forcing. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Danvers Half-Long Stump Rooted.—A new variety of decided merit; rich in color and of handsome shape. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Danvers Half-Long Pointed Root.—Early and very beautifully shaped; very rich in color and best for main crop. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound 75c.

Chantenay, Half-Long.—Resembles the Nantes, with larger shoulders, medium early and heavy cropper; one of the best for market. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Improved Long Orange.—Deep orange color, long, smooth, popular for general crop. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

St. Vallery, or New Intermediate Carrot.—One of the best main crop carrots. It is noted for its smoothness of shape, its tenderness of flesh, and beauty of color. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

CRESS or PEPPERGRASS—Kreffe

Extra Curled.—The most popular variety for market; excellent flavor. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 65c.

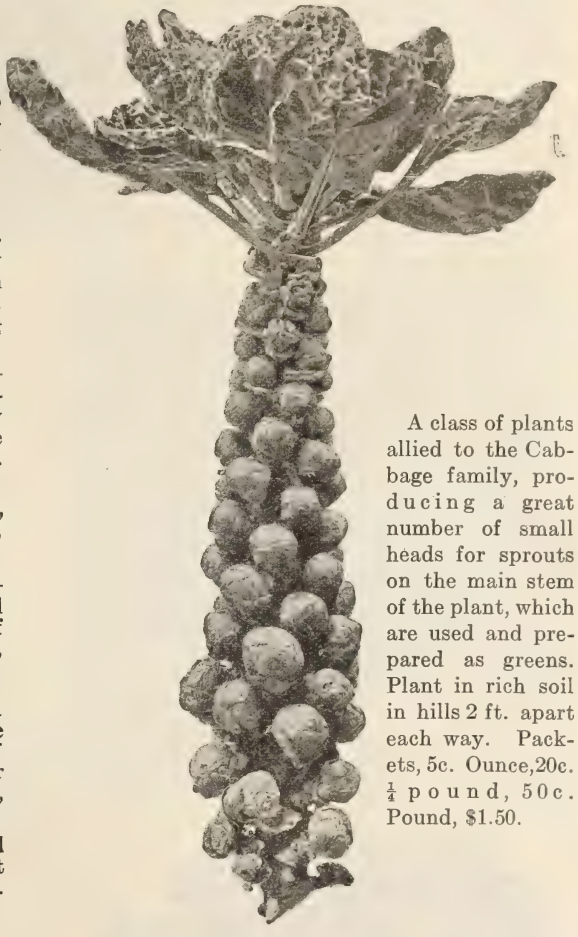
Watercress.—Cultivated by sowing the seed by running water or near a spring which is not severely frozen through the winter. Packet, 10c. Ounce, 35c. ¼ pound, $1.00.

CORN SALAD—Ackersalat

One Ounce Will Sow About Eighteen Square Feet and Six Pounds Will Sow an Acre.

BROAD LEAVED (Large Seeded).—A delicious salad, used during the winter and spring months as a substitute for lettuce, and is also cooked and used like spinach. Sow in spring in drills one foot apart. It will mature in six weeks. For early spring use sow in September and winter over like spinach. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 35c. 5 pounds, $1.50.

BRUSSELS SPROUTS



A class of plants allied to the Cabbage family, producing a great number of small heads for sprouts on the main stem of the plant, which are used and prepared as greens. Plant in rich soil in hills 2 ft. apart each way. Packets, 5c. Ounce,20c. ¼ pound, 50c. Pound, $1.50.

Amager Market Sprouts

CELERIAC

or Turnip-Rooted Celery

One ounce will sow a bed of nine square yards

New Large Smooth.—A new and quite distinct sort, the roots being very smooth, large and round. Roots may be cooked and sliced, and eaten with vinegar. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.25.

COLLARDS.—A tall, loose-leaved cabbage-like or kale-like plant grown throughout the south and known in different sections as "Cole," "Colewort," or simply "Greens." It is extensively used for the table and for stock in the south where it continues in growth and is usable throughout the entire winter. Collards usually succeed in locations where cabbage cannot be grown to perfection.

Georgia, Southern, or Creole.—This is the white or green-stemmed variety, growing two to three feet high and forming a large loose, open head or cluster of leaves with a rather long stem. A frost, if not too severe, will improve rather than injure the quality of the leaves. Sow thickly in drills, in rich ground, transplanting when four inches high; or sow in drills where the plants are to remain and when well started thin to two or three feet apart in the row. In the south, seed may be sown from January to May and from August to October. Packet, 5c. Ounce, 10c. ¼ Pound, 30c. Pound, 75c.

CELERY Sellerie, Ger.

1 ounce to 3,000 plants. 10 to 15 ounces to the acre.

Sow the seed in a well prepared soil as soon as the ground is in a proper condition to work. Sow in drills and tread the seed firmly in; thin out to an inch apart, and keep the ground well worked and free from weeds. Make the soil very rich with well rotted manure, which should be dug in deep; a moist, low, rich bottom land or well-drained muck soil is preferable. Set the plants eight or twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the center shoots.

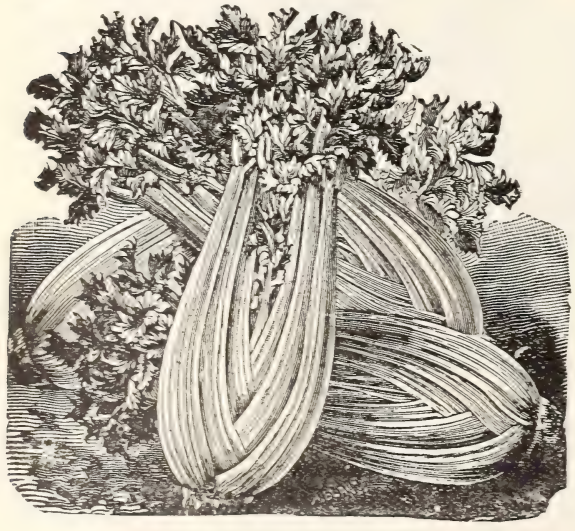
Boston Market.—Short and bushy, making a solid bunch. Packet, 5c. Ounce, 15c. ¼ pound, 50c. Pound, $1.50.

Improved White Plume.—An early self-blanching variety, very popular for fall and early winter use. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.75.

Dwarf Golden Heart.—Very solid and excellent keeper, and of fine, nutty flavor; the heart, which is large and full, is of a waxy, golden yellow, rendering it very showy for either market or private use. Packet, 5c. Ounce, 15c. ¼ pound, 50c. Pound, $1.50.

Giant Pascal.—A green leaved variety which developed from the golden Self-Blanching, retains the beautiful color, thick, solid, crisp stalks and incomparable flavor of that variety, but is of stronger growth, also larger, producing perfectly blanched stalks. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

Golden Self-Blanching.—This is the best Celery for early use. This variety is now the leading sort in all markets as an early Celery. The stalks are much broader and heavier than those of the White Plume, and greatly superior in quality. Packet, 10c. Ounce, 30c. ¼ pound, $1.00. Pound, $3.50.



DWARF GOLDEN HEART

NEW GOLDEN SELF-BLANCHING

GOLDEN SELF-BLANCHING

French Grown, Superior Stock, Unsurpassed

We have been furnishing our customers this strain of Golden Self-Blanching Celery for a number of years, and it is pronounced by one and all the finest strain they have ever seen. The color is a rich golden yellow, very solid and tender, flavor is delicious, has large heart, grows medium height, and is without doubt the best early Celery on the market. Packet, 10c. Ounce, $1.00. ¼ pound, $4.00. Pound, $15.00.

CAULIFLOWER

One ounce produces about 3,500 plants.

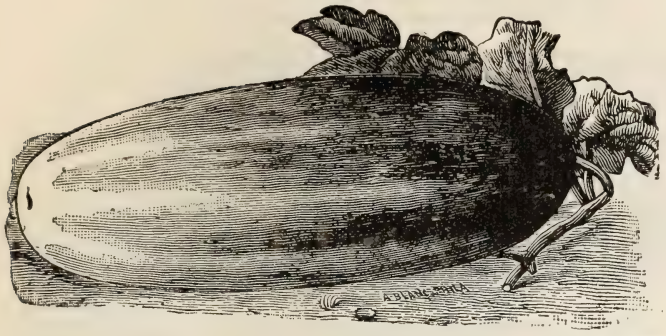
Extra Early Dwarf Erfurt

Best for Forcing and Good for Open Ground.—Dwarf and very solid, with short outside leaves. Can be planted twenty inches apart each way and forced. Almost as early as Snowball. Our strain of seed is very choice. Packet, 15c. Ounce, $1.75.

Early Snowball.—Our strain of this popular variety is unequaled. It is one of the best for forcing under glass or for the open ground; a sure header. Packet, 15c. Ounce, $1.50.

Danish Giant (Dry Weather)—Large leaved and large heading with pure white compact heads. For open ground and forcing. Two weeks later than above, when planted at the same time. Very resisting against unfavorable seasons and dry weather, the foliage giving a splendid protection. Packet, 10c–25c. ¼ ounce 50c. Ounce, $2.00.

CUCUMBER Gurke, Ger.



WHITE SPINE OR ARLINGTON

1 oz. to 50 hills. 1 to 2 lb. to an acre.

Culture.—For growth of cucumbers, hills are raised, standing five feet apart. Quite rich, sandy soil is best. If necessary enrich the hills with a mixture of sandy soil and strong rotted manure. For early use, plant in May; for pickling, plant in June or July. Eight or ten seeds should be allowed to each hill, as the young plants are often destroyed by bugs.

Soon as the plants attain vigor, thin them, leaving the three most promising; if practicable water during the drought; keep soil loose and free from weeds.

Improved Early White Spine or Arlington.—A selection from the White Spine, being more pointed at each end. The young fruits are usually crisp and tender, and are of very dark-green color, so that the variety is considered by many to be the best for small pickles. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 75c.

London Long Green.—Is the standard late sort, quite crisp, and of good size; it is not so early as the spine, but is more desirable for a late crop. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

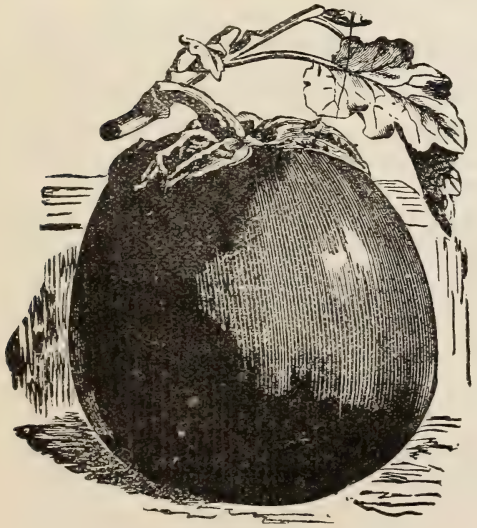
Gherkin or Burr.—Used only for pickling. Packet, 5c. Ounce, 20c. ¼ pound, 40c.

The Davis Perfect Cucumber.—As a forcing Cucumber the Davis perfect has no equal. Its excellent eating qualities, shape, color and productiveness place it without a rival. Packet, 5c. Ounce, 15c. ¼ pound, 30c. Pound, 75c.

NEW DAVIS PERFECT CUCUMBER

Perfected Jersey Pickle.—New and fine. The best pickle. Ounce, 10c. ¼ pound, 20c. Pound, 75c.

Cool and Crisp.—A very early and prolific variety. Fruit is long and good shape, dark green in color; it shows knobs bearing spines more than most varieties. It is a good home variety as well as an attractive market sort. Packet, 5c. Ounce, 15c. ¼ pound, 30c. Pound, 75c.



BLACK BEAUTY EGG PLANT

EGG PLANT

Eierfrucht, Ger.

1 oz. will produce 1,000 plants.

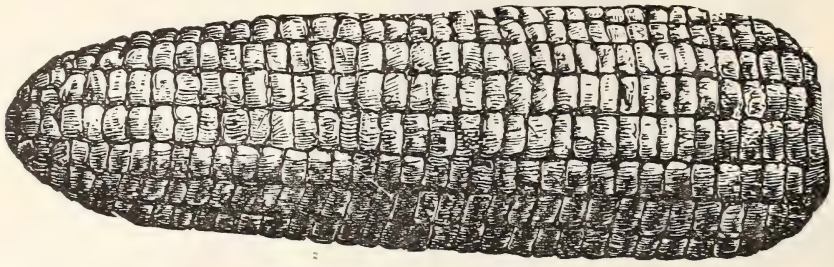
Sow in March in hot-bed, and transplant when two inches high into a second hot-bed, or let them remain and thin out to four inches apart. When the weather becomes settled, transplant into the open ground three feet apart each way. Good culture is quite as important as good seed; work the ground deep; make it rich with well rotted manure and hoe often.

New York Improved Spineless.—Best New Jersey gardeners' selection. Oval shape, thornless, dark purple color and rich flavor. Packet, 10c. Ounce, 25c. ¼ pound, 75c. Pound, $3.00.

Black Beauty Egg-Plant.—The New Black Beauty combines in itself many characteristics which are very valuable in this vegetable. In the first place, it is very early; in fact, the earliest good market variety. By this we mean it is the earliest variety that grows to a good size suitable for market purposes. Packet, 10c. Ounce, 25c. ¼ pound, 75c. Pound, $3.00.

SWEET OR SUGAR CORN Weschkorn Ger.

One quart will plant 200 hills, eight quarts for an acre
If corn is wanted by mail or express prepaid, add 5 cents per pint, 10 cents per quart, for charges



EARLY PREMO

Premo.—The earliest of all sweet corns; from 5 to 7 days earlier than Extra Early Adams. Remarkably hardy for a sweet corn and can be planted earlier than other sorts. In quality and sweetness it is all that can be desired of an extra early corn. Packet, 5c. Quart, 25c. Peck, $1.25. Bushel, $4.00.

Kendel's Early Giant.—This is not a mere novelty, but is of real merit. Ears large, measuring 8 to 10 inches long, having 10 to 12 rows on each cob, kernels pure, white, sweet and tender. Quart 20c. Peck, $1.00. Bushel, $3.50.

Adam's Extra Early.—The hardiest and earliest variety for the table use. It can be planted earlier than any other, but it is not a sweet corn; white indented grains and short ears. 25c. Dozen. Quart, 20c. Bushel, $2.50.

Golden Bantam.—Probably the very earliest variety grown. Very sweet, none better for the home garden for first early. Quart, 25c. Peck, $1.25. Bushel, $4.50.

New Champion.—This is a comparatively new variety, only having been on the market for a few years, and has proven to be a valuable early variety. It is medium early in ripening, and produces large ears. Quart, 20c. Peck, 90c. Bushel, $3.50.

Stabler's Extra Early.—A new variety, of larger size than usual for the early kinds. It is remarkable for sweetness and earliness. A desirable canning variety. Quart, 20c. Peck, 90c. Bushel, $3.00.

Country Gentleman.—A new corn of merit and desirable for family use. The grains are irregular, compact and sweet. Quart, 20c. Peck, $1.00. Bushel, $4.00. Ears, 40c. dozen.

Metropolitan.—A few days later than the Cory, ears larger and of better quality. One of the best extra-early sorts. Packet, 10c. Pint, 15c. Quart, 25c. Peck, $1.25. Bushel, $4.00.

Black Mexican.—Surpassed by none in quality and tenderness. When cooked is almost white; the ripe ear is black or blue black. Highly esteemed for family use. Quart, 25c. Peck, $1.00. Bushel, $3.50.

Stowell's Evergreen.—See illustration engraved from a photograph of an ear of our improved strain. The seed which we offer is free from glaze and flint, and has been grown completely isolated from all other varieties. Quart, 20c. Peck, $1.00. Bushel, $3.00. Ears, 40c. dozen.

Mammoth Late.—This produces the largest ear of any, a single ear sometimes weighing two or three pounds. It ripens a little later than the evergreen, with larger cobs, the kernels being flatter, not horse-tooth shape. Quart, 20c. Peck, $1.00. Bushel, $3.50. Ears, 40c. dozen.

ENDIVE Endiven, Ger.

1 oz. to 200 ft. of drill. 3 lbs. to an acre.

CULTURE.—June or July select a bed of good soil, drill fifteen inches apart, sow seed and cover lightly. The plants should not stand closer than twelve inches. Keep the earth to the stems, destroy weeds and hoe liberally.

Extra Green Curled.—It is the best. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.00.

Broad-Leaved Batavian (Escarolle). Used in soups and stews; requires to be tied up for blanching. Packet, 5c–10c. Ounce, 15c. ¼ pound, 40c. Pound. $1.25.

FINE GREEN CURLED ENDIVE

KOHL RABI Kohl Rabi, Ger.

1 oz. to 200 ft. of drill. 1½ lb. to an acre.

CULTURE.—Sow in April in rows eighteen inches apart, thinning out to eight inches between plants.

Early White Vienna.—This forms a bulb above ground, and its flavor mingles the peculiarities of the cabbage and turnip. Packet, 5c. Ounce, 15c. ¼ pound, 40c. Pound, $1.50.

KALE OR BORECOLE

1½ to 2 pounds to an acre.

Curled German.—Curly, dwarf, hardy and a rapid grower. Packet, 5c. ¼ pound, 10c. Pound, 30c.

New Imperial, or Long Standing.—Slow seeder, hardiest for gardeners; superior to all other; sorts in vigorous habit; bright green color. Packet, 5c. ¼ pound, 10c. Pound 35c.

LETTUCE Lattich Salat

BIG BOSTON LETTUCE

One ounce will sow 100 square feet or 120 feet of drill.

Culture.—For winter use sow in greenhouse or hotbed and cover seed very lightly. Transplant first to three inches apart and then to eight inches. For outside use sow in rows, covering seed one-quarter inch, the rows eighteen inches apart, then thin out plants to eight inches in row.

Deacon Lettuce.—Large solid, long standing summer lettuce. Heads light green in color, and very pleasing to the eye. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.00.

Hubbard Market.—A large heading variety, good for either forcing or sowing in open ground. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.25.

New Golden Queen.—Popular for forcing. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.00.

California Cream Butter.—Outside leaves are of medium green color, and inside is folded a solid head of rich, creamy yellow color. It is considered by growers one of the best in cultivation. Ounce, 15c. ¼ pound, 35c. Pound, $1.00.

Salamander.—B. S.—Compact, tender heads, resisting summer heat. Packet, 5c. Ounce, 15c. ¼ pound, 30c. Pound, $1.00.

Boston Market, or Tennis Ball.—This variety is used specially for green-house and hot-bed culture, because it can be planted very close. It grows very compact, fair size, heads slightly tinged with red on edge of leaves. Packet, 5c. Ounce, 15c. ¼ pound, 30c. Pound, 85c.

Immensity.—A very large heading variety, one of the largest of the cabbage sorts and almost a third larger than California Cream Butter, which it resembles in color and shape. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.00.

Early Curled Simpson.—Very early, largely grown in cold frames. Packet, 5c. Ounce, 15c. ¼ pound, 40c. Pound, $1.25.

Selected Big Boston Lettuce.—Identical in color, shape and general appearance as the Boston Market Lettuce, but double in size. It is about one week later in maturing, but its solidity and greater size of head will make it most valuable sort, desirable either for cold frames or open ground planting. Market Gardeners do not neglect to include some of this seed in your list. Packet 5c. Ounce, 15c. ¼ pound, 50c. Pound, $1.50.

Grand Rapid Forcing.—There is no better forcing variety among the curled-leaved sorts than the Grand Rapids, and it is quite as good for outdoor culture as other sorts. Large, beautiful leaves, very crisp and tender. Packet, 5c. and 10c. Ounce, 15c. 4 Ounces, 40c. Pound, $1.25.

May King.—A recent variety of great value on account of its extreme earliness, large size and tenderness. Will head with heat as well as out of doors, though attains a better size with open-air culture. Has a globular-shaped head of enormous size, hard and well closed. A decided acquisition. Packet, 5c. Ounce, 15c. ¼ pound, 40c. Pound, $1.25.

Black Seeded Simpson.—One of the best curled varieties, withstanding the summer heat. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.00.

ROMAINE OR COS LETTUCE

New Trianon Cos, or Celery Lettuce.—The finest of all the Cos sorts; leaves when bleached are stiff like celery stalks, and can be eaten in the same manner. Ounce, 15c. ¼ pound, 30c. Pound, $1.00.

LEEK Lauch, Ger.

Broad London, or Large American Flag.—Best American-grown seed. Packet, 5c. Ounce, 15c. ¼ pound, 40c. Pound, $1.25.

CANTALOUPE OR MUSK MELON

One ounce will plant about 50 hills. 2 or 3 pounds in hill per acre.

Culture.—Plant seed in hills 5 to 6 feet apart each way, 8 to 10 seeds per hill, after danger from frost is past. After plants are well up thin to 4 to the hill; keep them well cultivated until the runners are so long they cannot be hoed or cultivated. The quality of Muskmelons is affected very much by weather conditions.

Acme or Baltimore Cantaloupe.—Has a beautiful, heavily netted green skin; good size, in shape a desirable and distinct oval, and slightly ribbed; flesh thick, green, very finely flavored, smooth and sweet; very productive, and never **bursts open at blossom end.** Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Extra Early Hackensack.—It produces melons equally as large and with all the good qualities of the well-known Hackensack, but two weeks earlier; heavily netted, and has light-green flesh of delicious flavor. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Rocky Ford Netted Gem.—Our stock is specially grown for us in the famous Rocky Ford melon district, and is a particularly valuable strain for shippers. It is uniform in size, thickly netted, distinctly ribbed, firm-fleshed and of most delicious flavor. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

Emerald Gem.—Medium size, nearly round; flesh a delicate light salmon color very thick, fine grained, and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted. One of the best for home use. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

EXTRA EARLY HACKENSACK

Burrell's Gem.—Originated in Rocky Ford, Colo., the home of the celebrated Rocky Ford Melons. This is very similar to Rocky Ford, excepting it has a yellow, or salmon-colored flesh instead of the green flesh. It grows to a very desirable size, is closely netted, slightly ribbed, with a dark green skin. The flavor is all that can be desired; very rich, sweet and tender. This Melon is an excellent shipper and one of the best yellow-fleshed varieties. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

The Paul Rose, or Petoskey.—It is a cross between the Osage and Netted Gem, and combines the best features of the originals. The fruit is oval, medium sized, dark exterior, thickly netted; with rich salmon flesh, so thick as to nearly close the seed cavity. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Tip Top.—For splendid eating qualities this melon is certainly rightly named, for it is one of the most delicious flavored and finest table melons in existence. It grows to a large size, has thick orange flesh and is sweet, juicy and of the finest flavor even close to the rind. Packet, 5c. Ounce, 10c. ¼ pound, 30c. Pound, 85c.

KNIGHT OR MARYLAND

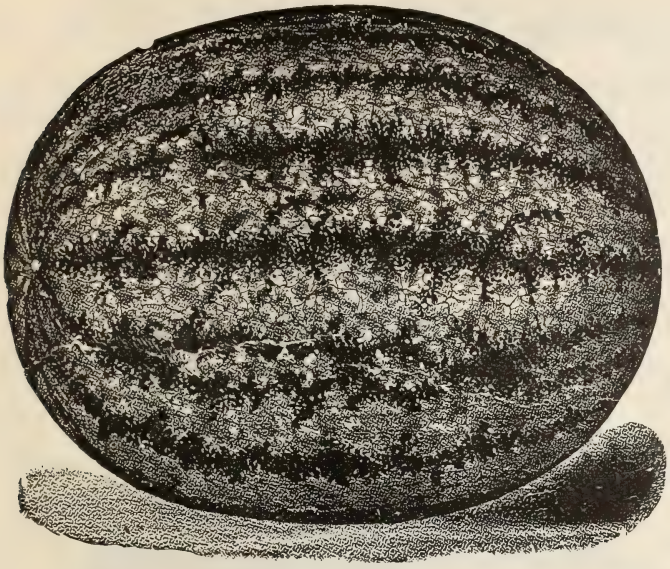
It is ten days earlier than the Rocky Ford, twice as productive and larger in size. The vines are of a strong, healthy growth, branch freely, setting a large number of fruits close to the hill. The Melons are fine and regular in size and form, nearly round or slightly oval, and very closely netted. The skin is of a light golden hue when fully ripened. Flesh bright green, luscious in flavor and ripens close to the skin. Customers who are fortunate enough to get some of this seed and who have been raising Rocky Ford Melons will not grow them again after once planting this new strain. The stock is limited. Packet, 5c. Ounce, 10c. ¼ pound, 30c. Pound, $1.00.

SWEET AIR CANTALOUPE

We know from what we have seen of this melon for the past three seasons that we cannot speak too highly of this melon. It is the sweetest, finest flavored, juiciest and best melon ever offered.

It is a little larger than the Rocky Ford, well netted, thick green flesh, small seed cavity. When the other standard sorts have been flat to the taste this has been perfect in sweetness.

It is prolific. The best to grow for profit; the best for table; the best for restaurant: what more can we say. Packet, 5c. Ounce, 10c. ¼ pound, 30c. Pound, 75c.



WATERMELON

Those using larger quantities than one pound of Watermelon seeds should write us for special prices.

Culture.—Plant in hills six or eight feet apart, in May. Select warm, light dry, ground, and in preparing the hills let them be dug out as broad and deep as the soil will admit; fill at least one-third full of the best decomposed stable manure, and mix thoroughly with the soil; fill up a little above the level of the ground.

Harris' Earliest Watermelon.—Sweetest, largest and best shipping early melon. Harris' Earliest Watermelon was originated by crossing Kolb's Gem with Hungarian Honey, Cole's Early and a small Russian melon of the very finest flavor. The melon is oval to oblong, striped with green and gray; bright red flesh, sweet, tender and delicious. Very productive, often bearing fine melons from July until frost. Ounce, 15c. ¼ pound, 25c. Pound, 75c.

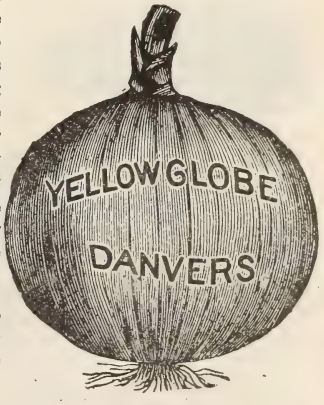
	Per oz.	¼ lb.	Per lb.
Cuban Queen.—Early, solid, heavy; skin striped dark and light green	$0.10	$0.15	$0.50
Kolb Gem.—Very large; flesh red; a good shipping sort. Very popular	.10	.15	.40
Sweet Heart.—Oval form; mottled light green skin; red flesh	.10	.15	.50
Florida Favorite.—An oblong melon of fine flavor	.10	.15	.40
Blue Gem, or Iceberg.—In general size, shape and appearance similar to the Kolb Gem, but the skin is darker and the quality is superior	.10	.15	.50
Halbert Honey.—Superb flavor, sweetness, tenderness and fine table qualities	.10	.20	.60
Striped Gypsy, or Georgia Rattlesnake.—A large oblong melon	.10	.15	.40
Kleckley's Sweets.—This is one of the earliest melons	.10	.20	.60
Tom Watson, 90 Days.—Long, dark green. More tracery on skin than Kleckley Sweet, and longer. Fine variety	.10	.20	.75

Each of the above Watermelons, 5c. per package.

ONIONS Zwiebel, Ger.

Onion seeds should be sown as early as possible to work the ground, in drills one inch deep and twelve to sixteen inches apart, in rich soil deeply dug and lightly rolled. Thin to one inch apart. When sowing for sets, seeds must be put in very thick, at the rate of twenty pounds to the acre. The same patch may be used year after year for onions and never made too rich.

To raise large onions, select a bed of rich soil, work it deeply and add decayed manure plentifully.



White Silver Skin or Portugal.—The leading sort of white onion. Skin is of a beautiful, clear white color; flavor mild, and a most excellent keeper. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

Red Wethersfield.—The best-known and most widely-used red variety. In shape it is flattish, but thick, with very firm flesh. Is hard, and an excellent keeper, as well as a heavy cropper. The color is a bright, purplish-red. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

Yellow Globe Danvers.—The popular yellow globe onion for market and shipping purposes. Is almost ball-shaped, but a trifle flattened at both ends. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.50.

Southport Large White Globe.—Packet, 10c. Ounce, 25c. ¼ pound, 75c. Pound, $2.50.

Prizetaker.—A superb variety where large size and superior keeping qualities are desired. Color a rich straw and flavor very mild and delicate. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

ONION SETS

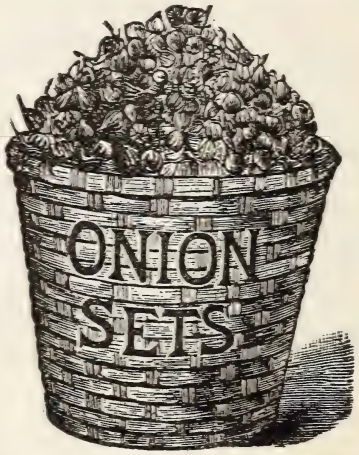
One quart to 50 feet of row; eight to ten bushels per acre, according to size of sets.

All onions attain full size and maturity the same season from spring-sown seed, yet many people desire to plant out sets for earliest Onions for the table or to use green or for bunching.

The price per bushel is subject to change with the market; write for quotations.

Yellow Onion Sets.—Grown from our select strain of yellow Danvers, Quart, 15c. 2 quarts, 25c. Write for our prices for larger quantities.

White Onion Sets.—Grown from our select strain of White Portugal. Quart, 15c. 2 qts., 25c.



CHOICE GROWN ONION SETS

OKRA OR GUMBO

Culture.—Plant in May, in hills about 3 feet apart, 4 or 5 seeds per hill. When well established, thin out to 2 plants. One ounce to 100 feet of drill; eight pounds per acre.

Perkins' Mammoth Long-podded.—A very large-podded variety, popular with canners and for home use. Quality very fine, plants extremely productive of long, slender pods, which remain tender a long time. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

White Velvet.—Pods round, smooth, free from seams, very prolific. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

Dwarf Green Prolific, or Density.—A very dwarf and prolific variety. Pods green, smooth and thickly set. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

PARSLEY Petersilie, Ger.

1 oz. to 150 feet of drill.

Sow in rows 1 foot apart and 1 inch deep. The seed is slow to germinate and should be given the most favorable conditions. A deep, rich, loamy soil is required. For winter use a few plants placed in a box in the cellar will give a supply.

Extra Dark Moss Curled.—The large leaves are very heavily crimped and curled, being quite moss-like in appearance and of peculiarly rich, extra dark green coloring. Very productive, and most attractive as a garnish, both on account of this deep-green coloring and fine mossy appearance. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 75c.

Fine Double Curled.—Plants of dwarf, compact growth, and the young leaves have the edges heavily crimped, being of quite moss-like appearance. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 75c.

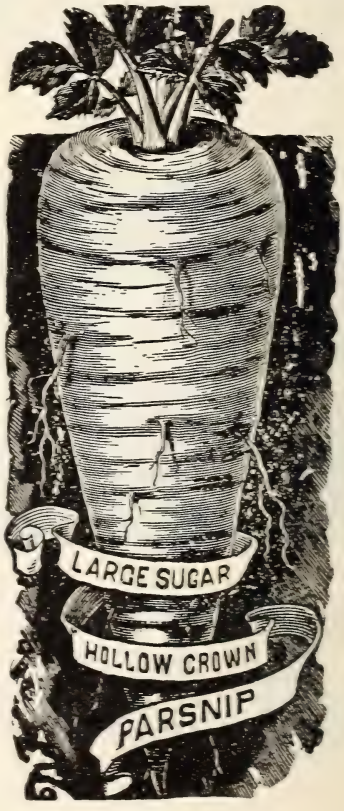
PARSNIPS

Pastinake, Ger.

1 oz. to 150 feet of drill.

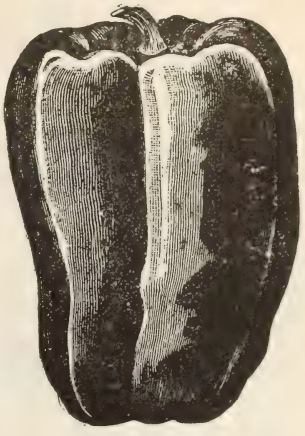
Sow as early in the spring as the weather will permit, in drills fifteen inches apart and half an inch deep in rich, well-manured ground, well dug. Cultivate similar to carrots, and thin out to six inches apart. To keep well in the ground over winter, draw a little earth over the tops.

Hollow Crown, or Large Sugar.—The best variety in cultivation for general use; roots white, smooth, of intermediate length, sugary, of excellent flavor. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.



PEPPER

One Ounce Will Produce About 2,000 Plants



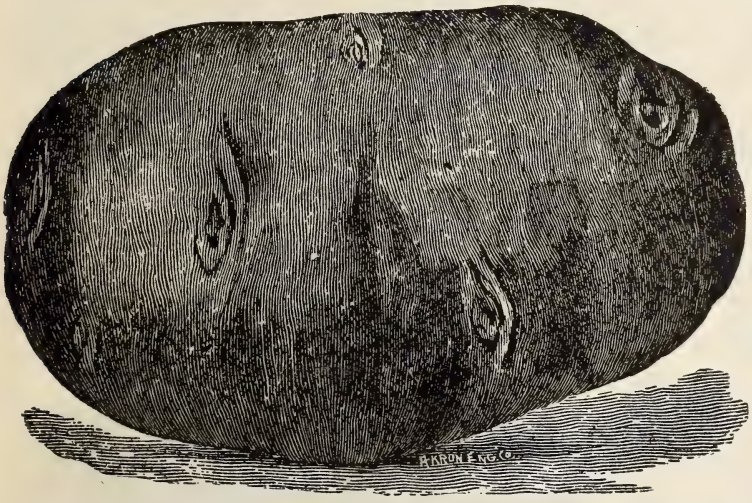
Neapolitan

Culture.—Sow in hot-bed in April, and in warm, settled weather transplant outdoors 18 inches apart in rows 3 feet apart; or, when all danger of frost is past, sow in open ground and thin.

Chinese Giant.—The largest and finest mild Red Pepper; double the size of Ruby King. Packet, 10c. Ounce, 25c. ¼ pound, $1.00.

	Oz.	¼ lb.	Lb.
Neapolitan Large Early.—Earliest of the large Sweet peppers. Thick-meated and very productive. Packet, 5c. each	$0.20	$0.50	$1.50
Ruby King.—Ideal Pepper for filling and pepper-hash. Packet, 5c. each	.20	.50	1.50
Large Bell, or Bull Nose.—Early, large, red, mild. Packet, 5c. each	.20	.50	1.50
Long Red Cayenne	.20	.50	1.50

AROOSTOOK-GROWN SEED POTATOES



All of the Seed Potatoes we sell are grown in the State of Maine, where, it is universally acknowledged the best seed potatoes are raised, and thousands of carloads are shipped every year from the counties of Holton and Aroostook alone. Farmers and truckers in the Middle and Southern States should renew their seed potatoes at least every two years, as by doing so they will realize the advantage of early maturity and productiveness.

Special prices will be given on application.

EARLY SIX WEEKS.—Said to be the earliest Potato now grown, and especially recommended for early market trade. Grown under favorable circumstances they are ready for the table at six weeks from date of planting, and fully matured at ten weeks. Medium-sized, very smooth skinned, shallow eyed, and of fine texture; in color, light pink.

IRISH COBBLER.—One of the most reliable first early potatoes ever sent out. It ripens almost with the Early Ohio, and so uniform that every hill seems to ripen all at one time. The value of this feature will be at once apparent to the market gardener who always likes to dig the entire crop at one time and follow with a crop of something else from the same ground.

GREEN MOUNTAIN.—White skin, flat, oval form, smooth, of good appearance; fine for the table when well grown; ripens slowly and is a good keeper; valuable for late crops; now taking the lead in all markets.

OHIO or XX EARLY.—This is one of the earliest potatoes grown; it will bear heavy manuring with commercial fertilizer; yields well; is free from blight; potatoes come to eatable size very early and eat well.

EARLY ROSE.—For a generation the standard Potato of the whole country for earliest yield, thrift, beauty, and table qualities, because it always succeeds well in any soil in any climate.

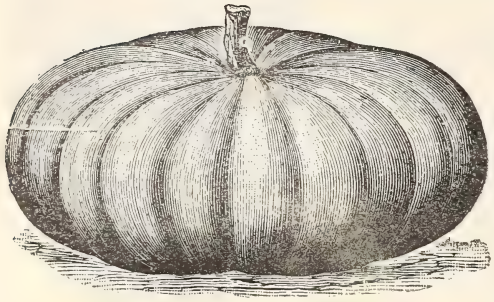
EXTRA EARLY BOVEE.—A most desirable new Potato introduced several years ago; has become very popular. Reported 12 days earlier than Early Ohio, and is the earliest potato we know of.

McCormick.—A very popular late sort; in fact, too well known for us to describe. Plant along in June or July and you will receive a yield that will surprise you.

Sweet Potato Roots and Plants. Big Stems and Jersey Roots ready about April 1st.
Big Stems and Jersey Plants ready about May 1st.
Prices quoted on Application.

PUMPKIN Grosse=Kurbis, Ger.

One pound will plant 200 to 300 hills



LARGE CHEESE PUMPKIN

Culture.—The common practice is to drop two or three seeds into every third or fourth hill in the cornfield; may be sown in hills, eight feet apart, each way, four plants to each hill.

Cashaw, or Crookneck.—Large, light cream color, solid and sweet, very fine grained, splendid for table or feeding stock. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Large Cheese.—A good cooking variety, cheese shape, creamy yellow color, flesh fine grained, and one of the best for pies. Price, per packet, 5c. Per ounce, 10c. ¼ pound, 15c. Pound, 50c.

Japanese Pie.—Crooked-neck variety; extremely small seed cavity; nearly all solid meat; quality extra fine. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 75c.

Large Connecticut Field.—Hardiest of all Pumpkins, good for pies and stock feeding. ¼ pound, 10c. Pound, 30c. Quart, 25c.

Small Sugar.—Early prolific and very sweet; orange color; fine keeper. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

King of Mammoths.—This giant variety grows to enormous size. Deep yellow, glossy color. Splendid to grow for stock and exhibition purposes. ¼ pound, 25c. Pound, 75c.

GARDEN PEAS

WE DO NOT PAY POSTAGE ON PEAS

Three Quarts of Seed to 100 Yards of Row. One and a Half to Two Bushels to the Acre.

Culture.—Sow as early as the ground can be worked, and again every ten days or two weeks for succession. They can be sown as late as the 20th of August for the last sowing, using Extra Earlies. Sow in rows about 4 feet apart and 1 inch apart in the row, and 3 to 4 inches deep.

Extra Early Alaska.—The earliest blue pea. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable pea for market gardeners. Height two feet. Quart, 30c. Peck, $1.50. Bushel, $5.50.

Little Marvel.—As regards Little Marvel peas, this variety we can recommend as being one of the very best shortvine peas introduced. The vines are about a foot high, very stocky and the pods are large and well filled with large peas of excellent quality. We consider this variety far superior to American Wonder or Nott's Excelsior and when they are better known they will be in great demand. Quart 30c. Peck $2.00.

Nott's Excelsior.—One of the best early Dwarf Peas. It combines the good qualities of the American Wonder and Premium Gem Peas. Quart, 30c. Peck, $1.75. Bushel, $7.00.

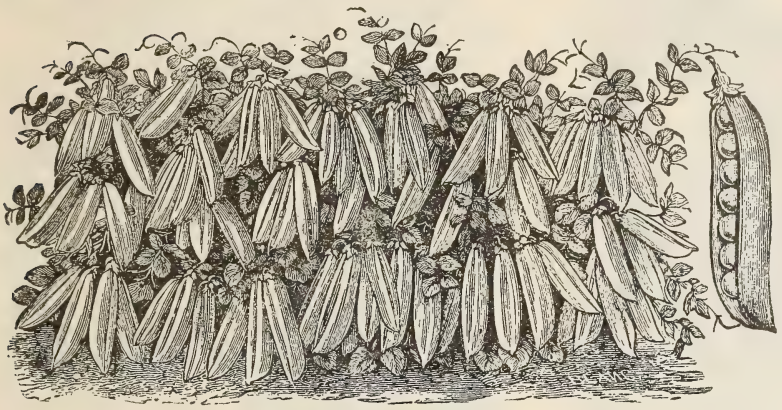
American Wonder.—This is a dwarf variety, and leads all others in point of earliness, growing about ten inches high, and produces a profusion of good-sized, well-filled pods, with finest flavored peas. Quart, 30c. Peck, $2.00. Bushel, $7.50.

EXTRA EARLY ALASKA

Bountiful, or Ameer.—(New).—Extra Early pea. One of the best early peas for the garden. Highly recommended. Quart, 35c. Peck, $1.75. Bushel, $7.00.

PEAS—Continued

Notice.—In Ordering Peas to be sent by mail, please add 8c. per Pint to pay Postage. Prices subject to change without notice.



PREMIUM GEM PEAS

Premium Gem.—This variety is nearly as early as the American Wonder, and the very productive vine is decidedly larger, growing to a height of from 15 to 18 inches. The pods are large and crowded with 6 to 8 very large peas of fine quality. Quart, 30c. Peck, $1.75. Bushel, $7.00.

Gradus or Prosperity. Probably the best extra early pea yet introduced. Only two or three days later than Alaska, and a wrinkled pea of excellent quality. Quart, 30c. Peck, $2.00. Bushel, $7.50.

Thomas Laxton. An extra large podded variety.—The plant is a very hardy and strong grower, producing the large size pods in abundance; quality is delicious and cannot be surpassed. Pods very dark green. Quart, 30c. Peck, $2.00. Bushel, $8.00.

Telephone, Improved Stock.—A luscious wrinkled pea-pod, large size, and peas excellent quality; an enormous cropper, grows four feet high. Quart, 30c. Peck, $1.75. Bushel, $7.00.

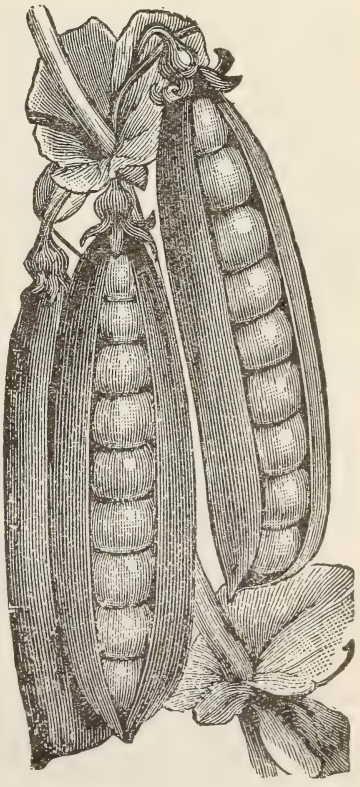
Horsford's Market-Garden.—A first-class wrinkled pea; second early; height 24 inches. Does not require stakes. Is profitable sort for market gardeners; a single plant has been known to produce 150 pods. It is equally good for the home table. Quart, 30c. Peck, $1.75. Bushel, $6.00.

Champion of England.—Wrinkled.—A green wrinkled variety famous for its delicious flavor. Consider it one of the finest varieties for family use, and will follow any of the second early varieties in ripening. Quart, 25c. Peck, $1.50. Bushel, $6.00.

Improved Stratagem.—A favorite with Market Gardeners for a general crop pea, strong vines, immense pods, large peas, heavy cropper, true stock. Quart, 30c. Peck, $1.75. Bushel, $7.00.

Dwarf White Marrowfat.—Height three and a half to four feet. Peas large, standard variety. Quart, 20c. Peck, $1.25. Bushel, $4.50.

Black Eye Marrowfat.—20c. quart. Peck, $1.25. Bushel, $4.50.



TELEPHONE

RADISH Rettich, Ger.

CRIMSON GIANT RADISH

One ounce will sow 100 feet of drill, 9 pounds will sow an acre.

Culture.—Select light, sandy soil; spade deeply and manure well. For early crop, sow in hot-beds in February or March. For main crop, sow at intervals from early spring until last of September, in deep, rich soil. Broadcast sowing is allowable, but drilling is more professional; however, radishes do well by either method. Thin when they crowd, or the crop will be imperfect. They may be drawn after a few weeks' growth.

Crimson Giant.—A large globe-shaped variety of recent introduction. Color is brilliant cardinal; flesh firm and tender; matures early; grows to a large size, and is always very crisp and tender. We consider this one of the very best second early forcing varieties. Highly recommended for outdoor planting. Packet, 5c. Ounce, 10c. ¼ pound. 20c. Pound, 60c.

Early Scarlet Turnip (White Tipped).—Early; fine grain and flavor; round with white tip. Packet, 5c. Ounce, 10c, ¼ pound, 15c. Pound, 50c.

Vick's Scarlet Globe.—A very desirable variety for open ground or for forcing. It is nearly olive shaped, bright scarlet color, of fine quality. Matures very early and does not become unfit for use as soon as many extra early sorts. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

Early Scarlet Turnip.—The old favorite turnip-shaped radish, of medium size, quick to mature; a very desirable variety. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Early Long Scarlet.—Short tops, long, deep scarlet roots, fine flavor. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

French Breakfast.—A quick growing, oval-shaped Radish, light color and white tip. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Long White Icicle.—The popular Long White Radish, very early. The best Long White Radish. Skin is pure white; flesh crisp and tender, remaining so for a long time. It is very early, maturing in 25 to 30 days. Makes a fine show when bunched for market. Popular with market gardeners. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

Long White Vienna or Lady Finger.—This in shape resembles the long scarlet; color snow white; it is of very rapid growth, and remarkably crisp, brittle and tender. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

White Strasburg.—Large white radish, which stands summer heat, handsome shape and pure white color. (See cut.) Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

New Chartier.—The color at top is crimson running into pink at middle, and thence downward to pure waxy white. It will attain a very large size before it becomes unfit for use. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 40c.

WINTER VARIETIES

Chinese Winter Rose.—Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Round Black Spanish Winter.—Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Long Black Spanish.—Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

WHITE STRASBURG RADISH

RHUBARB, OR PIE PLANT

Very familiarly known as the Pie Plant. The foot stalk is the portion that is used, and is the first vegetable of the season from the garden. Sow the seed early in the spring, in rows 1 foot apart, on rich ground; the second year after planting they can be removed, in autumn, to the permanent spot allotted to them; plant the roots 2 feet apart each way, in ground that is well enriched, at least 2 feet deep. Packet 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.25. Roots, 10c each. Roots, 75c per dozen; $5.00 per hundred.

Salsify, or Oyster Plant

5 to 8 pounds to an acre.

Culture.—Sow early in spring in drills fifteen inches apart; cover with fine soil one and one-half inches deep; thin to six inches apart. As soil is strong and inclines to depth and lightness, it proportionately is adapted to salsify. As the leaves resemble grass, be careful they are not mistaken in weeding. Salsify keeps over winter like parsnips.

Sandwich Island Mammoth.—A new and improved salsify. Roots are very large and superior; grown extensively for our large city markets; much superior to other sorts. (See cut.) Packet, 5c. Ounce, 15c. ¼ pound, 25c. Pound, 75c.

SPINACH Spinat, Ger.

One ounce for 100 feet of drill. Sow 10 to 12 pounds to the acre.

CULTURE—Should be planted in very rich ground—the richer the better. It is an important market gardener's crop of easy culture. Sow broadcast or in drills if drilled, 12 to 15 inches apart and 1 inch deep, as early as the ground can be worked. Begin thinning out the plants when the leaves are an inch wide. It also is sown in August for fall cutting, and late in September to stand over winter for spring cutting.

New Long Season.—The best for spring sowing, because it will stand longer before running to seed than any other variety. ¼ pound, 10c. Pound, 20c. 10 lbs. or over, 15c.

Bloomsdale Savoy.—Well known and popular with market gardeners. The best and most profitable. Very curly, ¼ pound, 10c. Pound, 20c. 10 pounds or over, 15c.

New Spring.—A valuable sort, its attractive dark green color, long standing and hardy character make it desirable for both spring and late sowing. Ounce, 5c. ¼ pound, 10c. Pound, 20c.

SQUASH Kurbis, Ger.

Early White Bush Squash

Bush sorts, 1 ounce for 50 hills. Running varieties, 3 to 4 pounds, in hills, for an acre.

Culture.—After the weather is settled and warm, plant in hills five to eight feet apart. Rich soil is best, but if necessary the hills alone may be enriched.

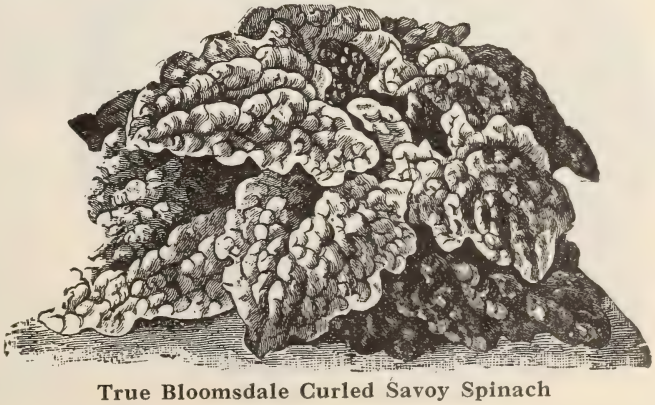
Early White Bush Scalloped or Patty Pan.—The best for early market use. Preferred for table. (See cut.) Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

Summer Crookneck.—Early, fine flavor; a desirable table sort. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

Early Prolific or Orange Marrow.—The earliest of the fall or early winter varieties. There is no variety for fall and winter that can compete with this. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

Boston Marrow.—A splendid winter squash of good keeping qualities. Flesh bright orange; fine grain and flavor unsurpassed. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

Hubbard.—A desirable sort, suitable for winter use. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.



True Bloomsdale Curled Savoy Spinach

TOMATO Liebesapfel, Ger.

One ounce will produce about 1,200 plants; quarter pound to transplant for an acre.

For very early fruit the seed should be sown in a hot-bed about the first week in March in drills 5 inches apart and half inch deep. Later sowings may be made until the last of April. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot and placing in a window in the house. When the plants are 3 or 4 inches high they should be set out 4 or 5 inches apart in another hot-bed or cold-frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden. Water freely at time of transplanting, and shelter from the sun a few days until the plants are established. Cultivate thoroughly as long as vines will permit, but the last two or three workings should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the plants. Tomatoes will admit of training to stakes or trellises, and the fruit is very much improved, not only in appearance but in quality.

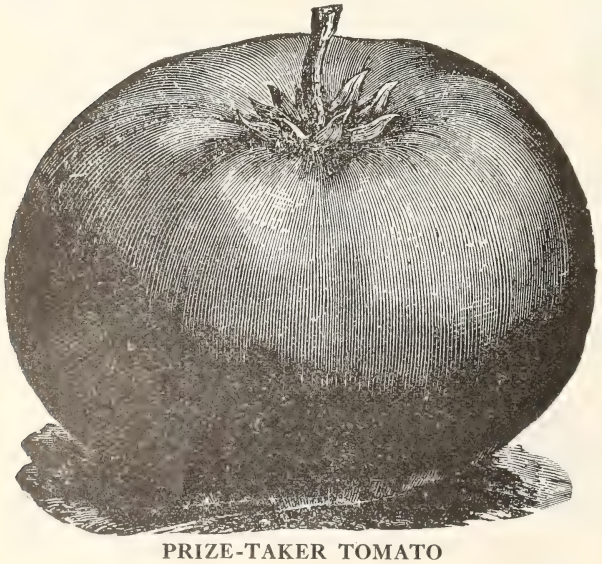
"Bonny-Best" Early Tomato.

Enormously prolific, scarlet red, globe-shaped fruits, smooth and ripening evenly without cracking. This new variety is fully ten days earlier than Chalk's Early Jewel, and within two or three days as early as Earliana. It is a vigorous grower, enormously prolific, with larger foliage than the Earliana, which will protect the fruit from the hot sun, on days when early varieties with less foliage would scald. In shape it is roundish and slightly flattened at the stem end but thicker through than most other tomatoes in its class. In color it is a beautiful scarlet red. Packet, 10c. Ounce, 25c. ¼ pound, 75c. Pound, $3.00.

Chalk's Early Jewel.—An extremely early variety of brightest scarlet color, deep fruited, very hardy and solid, with few seeds and of excellent flavor. The popular early variety. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.75.

Earliana.—The Earliest large Tomato. Is not only remarkable in earliness, but for its very large uniform size, handsome shape, red color and wonderful productiveness. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.75.

Acme.—One of the earliest and best purple sorts; of medium size, perfectly smooth, very solid and a great bearer, crimson color with pinkish cast. Packet, 5c. Ounce, 15c. ¼ pound, 50c. Pound, $1.50.



PRIZE-TAKER TOMATO

Livingston's Beauty Tomato.—The finest, large-fruited early purple variety. A decided favorite for home market or shipping, being early, hardy, a strong grower, productive, large, always smooth, perfect shape and excellent in quality. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

RED ROCK.—One of the finest for canning, being extraordinarily solid, smooth and red. No other variety has any better qualities than the Red Rock. Of fine flavor, very meaty and wonderfully free from acid. A heavy producer and good shipper. We think it is the coming Tomato for main crop and canners' use. Packet, 10c. Ounce, 30c. ¼ pound, 75c. Pound, $2.50.

June Pink Tomato.—In habit of growth this is similar to the Earliana. The plant is compact, branching freely, has fruits hanging in clusters. Claimed to be as good a yielder as Spark's Earliana, and shows no tendency to blight. Per packet, 5c. Ounce, 30c. ¼ pound, 75c. Pound, $2.50.

Crimson Cushion or Beefsteak Tomato.—Is very large, round and regular; bright scarlet skin, flesh solid, best quality, seed cells small and few. Plants are very prolific, fine appearance, good shipper. Packet, 10c. ½ ounce, 20c. Ounce, 30c. ¼ pound, 75c.

TOMATO PLANTS—Ready after April 15th.

TOMATO — Continued

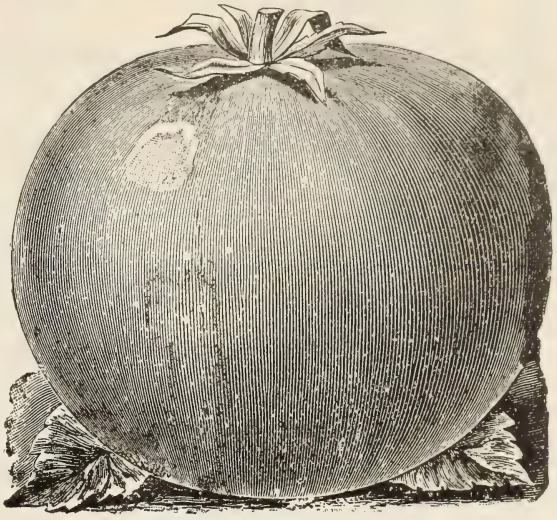
New Stone.—This variety has obtained great favor with canners, and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth and thicker from stem to blossom end than most varieties. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.25.

Ponderosa.—It is the largest fruited deep-colored Tomato known, of fine quality, solid, almost seedless and free from acid. The vines are strong, rather open growth; fruits largely oblong in form and deep through. Packet, 5c. Ounce, 25c. ¼ pound, 90c. Pound, $3.00.

Matchless.—One of the best main crop tomatoes. The solidity, absence of core, size and color of the fruit, together with its freedom from rot, all unite in making this well worthy of the name of "Matchless." Fine both for private and market gardening and canning. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.75.

Pear-Shaped Yellow Tomato.—Handsome bright, pear-shaped, yellow fruit. Packet, 5c. Ounce, 25c. ¼ pound, 75c.

Plum-Shaped Yellow Tomato.—Round and regular; bright yellow; used for pickling. Packet, 5c. Ounce, 25c. ¼ pound, 75c.



NEW STONE TOMATO

TURNIP Stukrube, Ger.

For early crop sow in latter part of April; for fall and main crop from middle of June until last of August. **One pound is sufficient to sow an acre.**

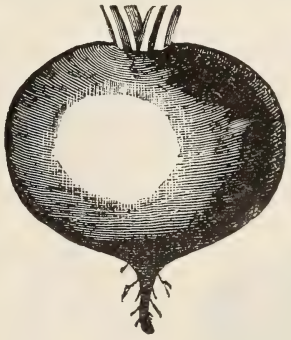
Extra Early Purple Top Milan.—Earliest turnip in cultivation, fit for use a week sooner than others. Suitable for spring or fall planting. Bulb forms very rapidly, making but few and small leaves. The turnips are flat, smooth white with purple top. Packet, 5c. ¼ pound, 30c. Pound, $1.00.

Improved American Purple-Top Ruta-Baga.—Very hardy and productive; flesh yellow, solid and sweet; good for table use or stock. Ounce, 5c. Pound 40c.

YELLOW ABERDEEN.—Hardy, good keeping turnip; yellow flesh and very productive. Ounce, 5c. Pound, 35c,

Rutabaga or Swede

Orange Jelly or Golden Ball.—Undoubtedly among the most delicate and sweetest yellow fleshed turnips yet introduced. Not of large size, but firm, hard and of most excellent flavor. Packet, 5c. ¼ pound, 10c. Pound, 40c.



Purple Top Globe

Purple Top Strap Leaf. — A white, flat strap leaf turnip, with purple top; mild flavor and very popular for early use and general crop. Ounce, 5c. Pound, 35c.

Purple Top White Globe.—A standard white variety, with purple top, handsome globe-shaped, and heavy cropper; leading turnip among truckers and gardeners. Ounce, 5c. ¼ pound, 15c. Pound, 35c.

Amber Globe.—A good variety for general crop. Flesh solid and sweet; keeps well late in spring, grows large; fine for table or stock. Ounce 5c. Pound, 35c.

Seven Top.—A variety much grown in the South for the tops, which are used as greens. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 35c.

Complete List of the

CHOICEST FLOWER SEEDS

Comprising all the Best and Latest Varieties

Direction for culture printed on all Flower Seed packets.

We sell six 5-cent packets of seeds for 25 cents. Thirteen 5-cent packages for 50 cents. 10-cent packets count as two 5-cent packets.

All Flower Seeds mailed free on receipt of price quoted. Cultural directions on each packet.

Asters.—Of all garden flowers from seed there is none that gives more satisfaction than the Aster. There is an early, medium and late sort now of rare beauty, so that you can have flowers from June until frost. Our sorts are the best. Packet, 5c.

Alyssum, Sweet.—Of dwarf, compact habit, four to six inches in height. It begins to bloom when quite small, and the plants are a solid mass of white from spring to late in autumn. Packet, 5c.

Amaranthus (Joseph's Coat).—Tricolor; a hardy annual with leaves of red and green; well known as "Joseph's Coat." The colors being especially brilliant if grown in rather poor soil. Packet, 5c.

Balloon Vine.—Remarkable for its inflated membraneous capsules containing the seed. It is sometimes called "Love-in-a-Puff." A rapid and graceful climber. Flowers white. Tender annual; six feet high. Packet, 5c.

Balsam (Lady's Slipper, or Touch-Me-Not).—Our Camellia-flowered strain produces the finest double blooms, and is quite a revelation compared with the old varieties. Sow in rich soil for the finest blooms. Packet, 5c.

Calliopsis, or Coreopsis.—Very showy border plants, producing in great profusion and for a long time flowers which are bright yellow and rich brown, either self-colored or with these colors and red contrasted. Packet, 5c.

Canary Bird Flower.—A beautiful climber with curiously-shaped little canary-colored blossoms. Will blossom freely from July until killed by frost. Tender annual. Packet, 5c.

MIGNONETTE

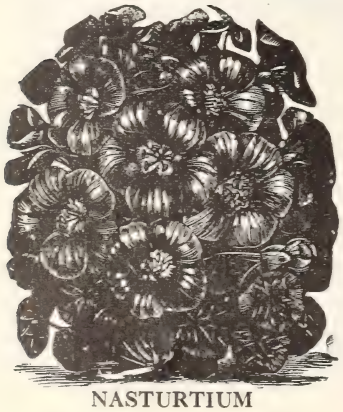
Candytuft.—Showy, branching plants six to eighteen inches high. Indispensable for cutting and very effective in beds or masses. If sown in spring will blossom from July to September, or in the fall will blossom from May to July. Hardy annual. Fine mixed. Packet, 10c.

Marguerite Carnation.—The plants of this wonderfully fine strain may be made to flower in four months. The flowers are large, double and very fragrant, and appear in very attractive shades of color. One of the best "pinks" in cultivation. Packet, 5c.

Centaurea.—(Bachelor's Buttons.) Popular Everlastings, bearing hundreds of clover-like heads of different colors. Useful also for bedding and borders. Packet, 5c.

Castor Bean, or Ricinus.—Tall, majestic plants for lawns, with leaves of glossy green, brown or bronzed metallic hue and long spikes of scarlet, or of green, prickly fruit. Of very quick growth in rich soil. Tender annual; six to fifteen feet high. Packet, 5c.

Cosmos.—Of all fall flowers there is none that has become so popular as Cosmos. Sow the seed in March, April and May, and will bloom in September. Does best in light, rich soil, in sunny places; grows about 7 feet high. Flowers are borne on long stems in clusters of pink, dark pink, and white colors. Fine for house and church decorations. Packet, 5c.



NASTURTIUM

Convolvulus Minor.—(Dwarf Morning Glory.) Dwarf plants of trailing, branching habit, each covering a space about two feet in diameter. At midday they are completely covered with a mass of pure white and brilliant, many-colored blossoms, which remain open in clear weather till evening. Half hardly annual; one foot high. Mixed, packet, 5c.

Cypress Vine.—A most beautiful climber with delicate, dark green, feather foliage, and an abundance of bright, star-shaped, rose, scarlet or white blossoms, which contrast most effectively with the graceful foliage. Tender annual; about 15 feet high. Mixed, packet, 5c.

Four O'Clock.—(Marvel of Peru.) The plants are large, and each needs three or four feet of space each way for its best development. The flowers are funnel shaped, white, red, yellow or striped with these colors, and open about 4 o'clock in the afternoon. Packet, 5c.

Forget-Me-Not.—(Myosotis.) A favorite old-fashioned flower bearing in profusion clusters of blue blossoms. It thrives well in the shade or open border. Hardy perennial. Packet, 5c.

FLOWER SEEDS—Continued

Eschscholtzia.—(California Poppy.) The State flower of California. A genus of the Poppy family, fully as valuable as the common Poppy for garden ornamentation, as it blooms almost continually throughout the season. A bed of these in full bloom is most handsome and beautiful in color. Hardy annuals; height, one foot. Mixed, packet, 5c.

Foxglove.—(Digitalis.) Grows to the height of three or four feet, affording dense spikes of brilliantly-colored flowers which are terminal and half as long as the height of plant. Colors white, lavender and rose. A valuable flower in every perennial garden; does not usually blossom until the second year. Hardy biennials or perennials. Packet, 5c.

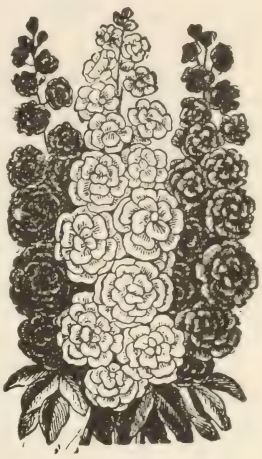
Gourd.—(Cucurbita.) A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth, they are fine to cover old fences, trellises, stumps, etc. Tender annual; 10 or 20 feet high.

Dish Cloth.—A rapid climber, having long, green fruit, the inside fibrous mass of which, when the shell and seeds are removed, makes an excellent bath sponge. Packet, 5c.

Orange.—The well-known Mock Orange. Packet, 5c.

Pear Shaped.—Striped yellow, green and cream. Packet, 5c.

Heliotrope.—Highly valued for the fragrance of their flowers and duration of bloom. Half hardy perennial, blooming the first year from seed. Dark varieties. Mixed, packet, 5c.



HOLLYHOCK

Hollyhock.—The most majestic of hardy plants of the garden. When planted in rows in the garden or among shrubbery the effect is beautiful. Packet, 5c.

Larkspur (Delphinium).—An old-fashioned, very choice, especially hardy annual which increases in beauty each year. Vast improvements have been made by careful selection and attentive culture in size and color of the blossoms. Packet, 5c.

Lobelia.—The dwarf and trailing varieties are fine for bedding, borders or hanging baskets; blooms profusely from June until November. Packet, 5c.

Marigold.—One more of the old-time favorites; an annual of easy culture, extremely effective, suited well for bedding in masses. Packet, 5c.

Mignonette.—Few ladies would think that a garden was complete without Mignonette. For fragrance and beauty there are few flowers that are as universally admired. Packet, 5c.

Moon Flower (Ipomea Grandiflora).—At night and dark days the plants are covered with an abundance of large, pure white fragrant flowers, 5 to 6 inches in diameter. It grows very rapidly, and will cover a very large surface. Packet, 10c.

Morning Glory.—Climbers of rapid growth, bearing flowers of all possible shades. So well-known it needs no description. Packet, 5c.

Morning Glory (Imperial Japanese).—They are unquestionably the handsomest climber vine in existence. Easily cultivated, can be sown in open ground in a sunny situation as soon as the weather is warm. The flowers are very large and most beautiful. Packet, 10c.

Nasturtium.—For easy culture and general satisfaction there is nothing that excels the Nasturtium. Brilliant in color and of great variety. A bed of these fine bloomers adds tone and elegance to any flower garden.

PINK

Nasturtium, Tall Sorts.—Mixed. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Nasturtium, Dwarf Sorts.—Mixed. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Pansies.—Our selection of this well-known flower is, we believe, the best that is offered anywhere for size, variety and beauty, and have no equal. To grow pansies and secure the largest and best flowers, the seed should be sown in January and February in the greenhouse or in boxes in the house. Packets, 5 and 10c.

Petunia.—Petunias are unsurpassed for massing in beds. Their richness of color, duration of bloom and easy culture will always render them popular. The modern improved varieties are in this mixture. Packet, 5c.

Poppy (Papaver).—Well-known hardy annuals and perennials, flowering in great profusion throughout the summer. Sow early in the spring where the flowers are to bloom, and cover lightly. Packet, 5c.

See Other Side for Flower Seeds

FLOWER SEEDS—Continued

Portulaca.—There are few flowers in cultivation that make such a dazzling display of color in the bright sunshine as a bed of portulacas. They are in bloom from about the first of July till killed by frost in autumn. Fine mixed. Packet, 5c and 10c.

Salvia Splendens (Scarlet Sage).—Large, brilliant scarlet flowers are in these plants afforded a rich dark green background of dense foliage. This variety is most generally used in parks and on extensive lawns. Packet, 10c.

Sweet William.—A very beautiful class of easily grown and very hardy plants of extreme richness and diversity of colors, deliciously sweet scented. Nothing surpasses this old rugged favorite for clumps or borders. Hardy perennials; about one foot. Packet, 5c.

Verbena.—Flower produces a mass of flowers from spring to late fall. Our strain is as fine as the world produces. Large flowers and free blooming. Packet, 5c.

Wallflower.—Well-known, very fragrant garden plant, blooming early in the spring, with large, conspicuous spikes of beautiful flowers; prized for bouquets. Packet, 5c.

Zinnias.—One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling in beauty, size and form moderate sized dahlias. Choice mixed, packet, 5c.

SWEET PEAS

Eckford Mixed.—All colors. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Bulbs are not sent postpaid

SUMMER FLOWERING BULBS

CALADIUM ESCULENTUM.—Elephant's Ear. One of the handsomest of the ornamental-leaved plants. Roots obtained in the spring will make good plants in the summer, and in the fall they should be taken up and stored in the cellar. Leaves three feet or more in length, nearly as broad. There is nothing so good as this Caladium for a grand bed for foliage in the garden. Large-sized bulbs, 15c. and 25c. each. Medium-sized bulbs, 10c.

CANNAS.—The Canna is one of the most beautiful of all bedding plants. No other plant is better adapted to our climate, and nothing, costing so little, excels them for masses and beautiful foliage, as well as the abundance of dazzling bloom in many shades. Plant out doors about the middle of May, if the weather is warm and settled. When planting out the bulbs do not water too freely until well started; then they should have an abundance. Set the bulbs 1 to 2 feet apart, according to circumstances. Roots 5c. each, 50c. a dozen.

DAHLIAS.—The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers. We know of nothing more showy for table decoration than a loosely-arranged bouquet of long-stemmed dahlias. Each, 10c. Dozen, $1.00.

GLADIOLUS.—One of the most attractive of summer flowering bulbs. Excellent for mixed beds, and produce gorgeous effects if massed in large clumps. For a succession of bloom throughout the summer plant at intervals from April till June. Extra-sized bulbs, per dozen, 20c. Per 100, $1.25.

MADEIRA VINE ROOTS.—On account of its very rapid growth and thick shade, this is one of the most popular climbers. Will run twenty feet or more in a season. Each, 5c. Dozen, 30c. 100, $2.25.

TUBEROSE.—The Tuberose is a beautiful pure white, waxlike, very sweet-scented, double flower, growing on tall stems, each stem bearing a dozen or more flowers. Our Tuberoses are all first-sized, and splendid bulbs. Per dozen, 20c. Per 100, $1.25.

"ILLINOIS"

SELF-WATERING HANGING BASKETS

Would you undertake the culture of flowers and ferns in your home if you knew positively, that there would be no such thing as failure.

Diameter	Water Capacity	Price
9 inch	2 pints	$2.50
10 inch	2 pints	3.00
12 inch	3 pints	4.00

This price does not include chain.

A strong Solid Brass Chain will be furnished at 3 cents per lineal foot.

* * *

BLATCHFORDS' PLANT GROWER AND LAND RENOVATOR

For Window Plants, Ferns, Etc.

1½ lb. Metal Cans, 25 Cents

GRASSES AND CLOVER SEEDS

All prices on seeds are subject to change without notice.

Timothy (Phleum pratense.) A field and not a pasture grass, as it will not endure close and frequent cropping; but for a hay crop on strong soils it will produce more than any other sort. ½ to ½ bushel per acre. Bushel, 45 pounds. 15c. pound. 90c. peck. $3.00 Bushel.

Orchard Grass (Dactylis glomerata.) One of the very best pasture grasses, as it is exceedingly palatable to stock, and will endure a good deal of cropping. 1½ to 2 bushels per acre. Bushel, 14 pounds. 20c. pound. $2.25 bushel.

Kentucky Blue Grass Is the most nutritious, hardy and valuable of all northern grasses. For meadow or pasture, sow about 28 pounds per acre. Sow early in the spring or in October or November. Bushel, 14 pounds. 20c. pound. $1.75 bushel.

Rhode Island Bent (Agrostis canina.) A fine and very permanent grass, chiefly used for pastures or lawns, for which it is one of the best. Bushel, 14 pounds. 40c. pound.

German or Golden Millet Medium early forage plant, prolific in stalk and grain. 25 pounds to an acre. Bushel, 50 pounds. $1.75 bushel.

Red Top Fancy (Cleaned from chaff.) It is a good, permanent grass, standing our climate well, and makes good pasture when fed close. Is valuable for low, wet meadows, producing a large return in good hay. Sow in spring and fall, 8 to 10 pounds per acre. Bushel, 14 pounds. 30c. pound. $28.00 per 100 pounds.

CLOVERS

Medium Red (Trifolium pratense.) Excellent for pasture or hay; valuable as a green manure, and should be in all grass mixtures. Eight to ten pounds per acre when sown alone. 25c. per pound.

Alsike or Swedish (Trifolium hybridum.) Thrives in rich, moist soil. Does not succeed on high, dry lands. Six pounds per acre. 25c. per pound.

Scarlet or Crimson (Trifolium incarnatum.) Most valuable crop for green manuring, soiling, hay, pasture and ensilage. It is an annual and must be sown every year. Improves worn out and poor soils, and is the cheapest and best fertilizer. Being a winter crop, it should be sown in August and September, Sow 10 to 15 pounds per acre. Bushel, 60 pounds. 15c. per pound.

Alfalfa or Lucerne (Medicago sativa.) Where this succeeds it is the most valuable of all the clovers; requires a very fine, mellow deep soil. Sow 20 pounds to the acre. 25c. per pound.

Mammoth Red (Trifolium pratense.) Used largely for plowing under for manure. By judicious use exhausted lands can be reclaimed, as it will grow where common clover will fail. Eight pounds to the acre. 25c. per pound.

White (Trifolium repens.) Valuable to mix with lawn grass. Should be in every mixture for permanent pasture. ¼ pound, 15c. ½ pound, 20c. Pound, 40c.

Canada Field Peas. Sown early with oats, usually make one of the largest yielding and most nutritious spring forage crops that can be put in; but they should be sown early in February or not later than the middle of March, for best results. The earlier they are put in, the better. Under favorable circumstances, Canada Field Peas will yield more nutritious forage to the acre than any similar crop that can be seeded in the spring, and they make a complete food, feeding grain being unnecessary when horses and cattle are feed on oat-pea hay. Sow in January, February or early in March, at the rate of one bushel per acre, with one and a half bushels of rust proof or spring oats.

Cow Peas Throughout the South this pea has always been valuable for the improvement of the soil, being to the South what clover is to the North. The seed is ground and used for cattle feed. The stalks and leaves make excellent fodder when fed green. It is also highly recommended for ensilage when mixed in silo with green corn stalks. In the North it is considered superior to clover for plowing under as a preparation for wheat, as it matures the first year from seeding. Poor, sandy soil may be made into a fertile loam by plowing under a crop of Cow Peas. Plant seed in a thoroughly pulverized warm soil. If wanted to plow for manure, sow in drills one foot apart. If grown for fodder or for the seed, plant three and one-half feet apart and cultivate thoroughly.

SORGHUM

Early Amber Cane The earliest and makes the finest quality of forage or syrup. Best seed. 10c. pound. 50c. peck.

BUCKWHEAT

Sow at the rate of 1 bushel per acre broadcast in June, July, or in early August.

New Japanese This new sort has proven to be much earlier and more productive than any other variety. Grains very large and rich brown color. It excels all in yield and earliness.

Dwarf Essex Rape This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six to eight weeks from the time of sowing. The fattening properties of Rape are said to be very much better than those of clover. Sow 3 to 5 pounds per acre in drills, 6 to 8 pounds per acre broadcast. 10c. per pound. $7.00 per 100 pounds.

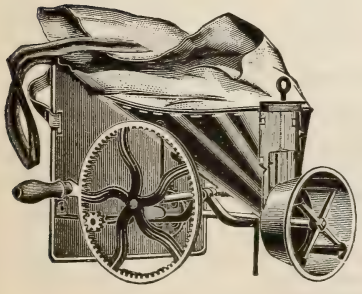
Hairy or Winter Vetch This is one of the most valuable forage crops for the South, but requires to be sown in the fall for best results. Can be sown any time from July to October. Succeeds admirably sown at the last working of corn or cotton with winter oats or wheat. Should be sown at the rate of 20 to 30 pounds to the acre with one bushel of oats or three-fourths bushel of wheat. The oats or wheat help to hold the Vetch off the ground, enabling it to make a better growth. 15c. per pound.

White Spring Oats Sow at the rate of 2 bushels per acre in February, March or April —the earlier the better.

Special prices on large lots.

CAHOON BROADCAST SEED SOWER

For Sowing Seed Grain, Clover Seed, Etc.



The best seeder manufactured, and sows all kinds of grain, clover seed, etc., rapidly and evenly. A person entirely unused to seeding can, by following the simple directions sent with machine, sow from four to six acres an hour at a common walking gait. It sows uniformly and saves four-fifths in labor by its use. Every farmer should have one of these sowers. Circulars giving full information and directions for use, mailed on application. **Price, $3.00.**

HIGH GRADE FERTILIZERS

The Yield and Quality of Vegetables Depend Upon Continuous and Rapid Growth

MANN'S PURE RAW BONE

Pure animal bone is one of the best and most satisfactory fertilizers that the farmer can use. It can always be relied upon to give excellent results upon the growing crops, at the same time acting as a permanent improver, showing its results for several years afterwards wherever it is applied. It is the best of dry-weather fertilizers, as, if it is prevented by draught from acting, its strength still remains in the soil, and is thus available when seasonable weather comes on, or for later crops.

Analysis

Bone Phos. of Lime.....45 to 55 per cent
Ammonia.....2½ to 3½ percent

Put up in 200 pound bags, 10 bags to the ton.

10 per cent TRUCKERS FERTILIZER

The highest grade manufactured. Very quick-acting fertilizer for plant beds. Matures crops at the earliest date.

Analysis

Ammonia.....10 per cent
Phos. Acid.....5 per cent
Potash.....3 per cent

Put up in 167 pound bags, 12 bags to the ton.

STANDARD POTATO FERTILIZER

This fertilizer is especially prepared for Irish and Sweet Potatoes, but will give splendid results on all root crops. We cheerfully recommend this brand to any one wanting a high-grade POTATO FERTILIZER. We ask you to give it a trial.

Analysis

Ammonia.....2½ per cent
Phos. Acid.....8 per cent
Potash (Actual).....3 per cent

Put up in 167 pound bags, 12 bags to the ton.

7 per cent TRUCKERS FERTILIZER

This Fertilizer we can recommend for a high grade Truck Fertilizer, as we have prepared these goods to meet such a demand as our gardeners require for Cabbage, Tomatoes, Peas, Beans, etc.

Analysis

Ammonia.....7 per cent
Phos. Acid.....6 per cent
Potash.....5 per cent

Put up in 167 pound bags, 12 bags to the ton.

POTOMAC "A" AMMONIATED SUPER-PHOSPHATE

This is our well known brand of general crop Fertilizer, and has stood the test for more than 25 years. As a Fertilizer we cannot speak too highly for this brand for all early vegetables.

Analysis

Ammonia.....2 per cent
Avail. Phos. Acid.....8 per cent
Potash K. O.....2 per cent

Put up in 167 pound bags, 12 bags to the ton.

SPECIAL CORN AND OATS FERTILIZER

We recommend this specially prepared fertilizer for Corn and Oats. Its use will greatly increase the yield.

Analysis

Ammonia.....1¼ per cent
Avail. Phos. Acid.....8 per cent
Potash (Available).....1 per cent

FINE GROUND FISH
GROUND TANKAGE
HIGH GRADE ACID PHOSPHATE
KAINIT, MURIATE OF POTASH
NITRATE OF SODA
LAND PLASTER

Prices on Application

Pulverized Sheep Manure

This is purely a natural and most nutritious plant food, clean to handle, and its effect is immediate and lasting. There is nothing better to mix with soil for potting plants. Florists who use it extensively advise mixing about one-seventh manure and six-sevenths soil. As a top dressing for lawns, it is unequaled.

5 pounds, 25c. 10 pounds, 40c. 20 pounds, $1.00. 100 pounds, $2.00.

Special Prices in Ton Lots

INSECTICIDES

1-pound carton, 15c. 5-pound packages, 30c.

(Lime, Sulphur and Salt)

This preparation is scientifically prepared and is widely recommended, and known as the best preparation for San José Scale, Oyster Shell Scale, etc.

Concentrated; ready for use by adding 20 to 40 gallons Hot Water to each gallon of Mixture. 1 Quart, 30c. Gallon, 75c.

WHALE OIL SOAP

Makes an elegant wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up.

One pound, 15c. Large quantities at special prices.

KEROSENE EMULSION (Liquid)

Ready for use by simply adding 12 to 15 parts water to one of mixture. This is strictly an insecticide for all sucking insects. Quart, 40c. Gallon, $1.00. 5 gallons, $4.00.

Lemon Oil.—The cheapest, safest and most effectual insecticide extant for all purposes. Destroys all insects on the leaves and roots of plants without injury to flower or foliage, leaving no foreign odor. This will be found a capital wash for dogs; it relieves mange, destroys lice and all insects, and gives the coat a beautiful glossy appearance. Half pint, 25c. Pint, 40c. Quart, 75c.

TARGET BRAND WEED KILLER

A most satisfactory and powerful weed-killer, compounded especially for use on walks, drives, tennis courts, etc. It is a powder to be dissolved in water. It completely destroys all kinds of grass, briers, thistles, poison ivy, etc. Quart, 40c. Gallon, $1.00.

Tobacco Dust, Finely Ground.—One of the cheapest and most effective remedies for lice and worms on cabbages, striped bugs and other insects on melons, cucumbers and squashes. Pound, 5c. 5 pounds, 20c. 100 pounds, $2.75.

Sulpho Tobacco Soap.—One of the best remedies for green fly on roses. 3 ounce cakes, 10c. 8 ounce cakes, 20c.

TREE TANGLEFOOT.—A sticky substance applied directly to the bark. To protect trees against climbing insect pests. One application remains sticky, fully exposed to weather, three months. One pound will make a band 7 to 8 feet long. One pound, 35c.

"Black Leaf 40" (Sulphate of Nicotine).—Highly recommended by spraying experts for destroying aphis, thrips, etc., without injury to foliage; is perfectly soluble in water; no clogging of nozzles. ½ pound can, 85c., makes 47 gallons. 2½ pound can, $3.25, makes 240 gallons.

Bug Death.—A non-poisonous powder. It is sure death to all plant-eating pests. 1-pound package, 15c. 3-pound package, 35c. 5-pound package, 50c. 12½-pound package, $1.00.

Hellebore, Powdered.—An excellent protection from currant worms, grape slugs, caterpillars, etc. May be applied dry or mixed in water—1 ounce to 3 gallons, 1-pound box, 25c.

Arsenate of Lead.—The latest and best known insecticide for all leaf-eating insects. It adheres to the foliage for weeks, thus making frequent spraying unnecessary. Pound, 25c. 5 pounds, 90c. 10 pounds, $1.80. 25 pounds, $4.25.

BORDEAUX MIXTURE

Ready for use by simply adding water.

One pound, 20c., makes five gallons spray. 6 pounds, $1.00, makes 30 gallons spray. 1 quart, 35c. 1 gallon, $1.00.

PARIS GREEN

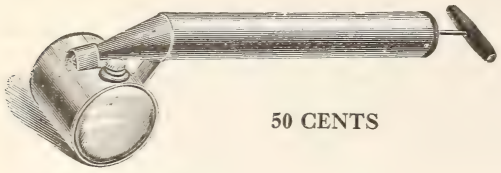
Mixed at the rate of one pound to 200 gallons of water it will prove effective against all chewing insects. 1-pound can, 25c. ½-pound can, 15c. ¼-pound can, 10c. Special prices on large quantities.

SO-BOS-SO (Kilfly) is a liquid mixture designed to protect cows and horses from torture of flies. The preparation is positively harmless. It is used with splendid results as a disinfectant and germicide. 1 gallon, $1.00.

CONKEY'S FLY KNOCKER settles the fly problem. We know many worthless articles on the market which have done much to disgust the public and injure legitimate trade. We do not offer the cheapest article known, but the best. AND WE GUARANTEE IT TO SATISFY YOU. Should it fail to do so, your money will be refunded. 1 quart, 35c. 1 gallon, $1.00.

SPRAYERS FOR INSECTICIDES

HARVEST HOME SPRAYERS



50 CENTS

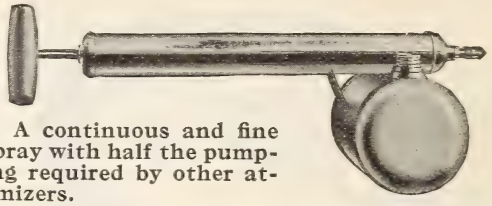
These sprayers throw a very fine spray of any liquids usually used for destroying insects, bugs, etc., and for keeping cattle free from flies during the summer weather. They are particularly recommended for spraying all kinds of plants, bushes, vines, trees, interior of henneries, and also for spraying horses and cattle to keep off the flies.

Pipe Extension Fig. 480

UNIVERSAL TIN SPRAYERS

A good Sprayer for general use. 35c.

AUTO COMPRESSED AIR SPRAYER



A continuous and fine spray with half the pumping required by other atomizers.

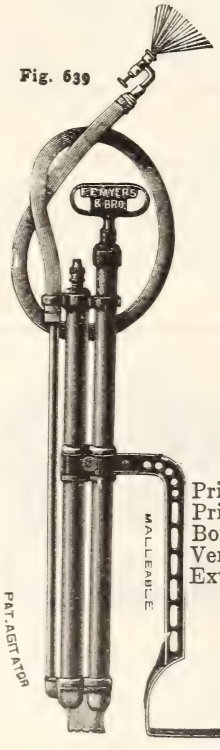
Just the thing to use in the green-house, window garden, for rosebushes and in the poultry-house.

Will handle all solutions, insecticides and disinfectants. Made throughout of stout material. Copper syphon tube, bronze ball valve, plunger rod ¼-inch, copper plated steel. The solution does not come in contact with the pump cylinder. The spray may be adjusted by a slight turn of the nozzle.

37b. Galvanized Tank, Brass Tube. Price, 90c.
37c. Brass Tank, Tin Tube. Price, $1.25.

Myers' Imperial Brass Spray Pumps

Fig. 639



This Spray Pump is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulae for spraying fruit trees, vines and shrubbery. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in the proper position. No. 327½, Fig. 639.

Price, with 3-ft. Rubber Hose...	$3.50
Price, with 8-ft. Extension Pipe.	4.00
Bordeaux Nozzle.....	.75
Vermorel Nozzle.....	.75
Extension Pipe.....	.60

Fig. 1493

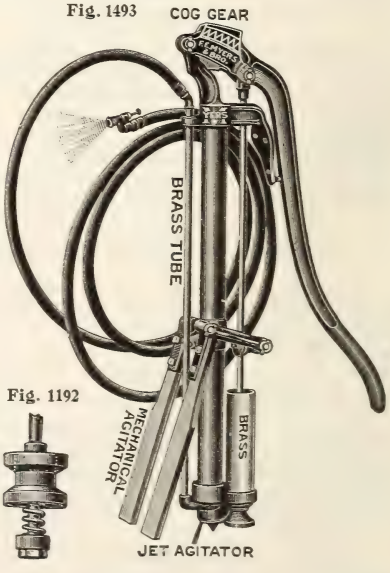


Fig. 1192

Self-Expanding Represents No. R₃C₄B Hemp Packed With Cog Gear Handle Plunger

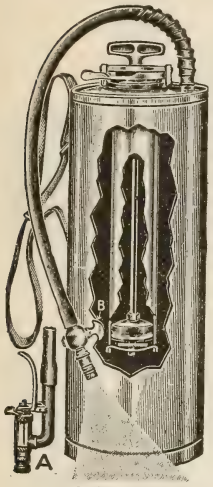
Myer's Cog Gear Barrel Spray Pump

Fig. 1493

No. R305 B, Myer's Cog Gear Barrel Spray Pump. with both jet and mechanical agitators, Fig. 1493, complete with 15 feet of ½-inch 5-ply discharge hose and Myer's graduating Vermorel nozzle.

Price, $10.00.

Brown's Auto-Spray No. 1



PATENTED.

Weight empty, 7 pounds.
Weight loaded, 39 pounds.
Weight shipping, 15 pounds.

A Self-Operating or Automatic Sprayer

The **Auto-Spray No. 1** is one of the best on the market. It is very strong and practical. When properly charged contains three gallons of solution and one gallon of compressed air. Ten to twelve strokes of the plunger will compress the air and two pumpings will empty the entire contents.

All parts which come in contact with solution are made of brass, and the handle and other parts are made of malleable iron.

Length of cylinder, 21 in.; diameter of cylinder, 7 in.; capacity, about 4 gallons; weight, empty, 7 pounds.

Auto-Spray No. 1C.—Galvanized Reservoir, Stop Cock. Factory List Price, $5.00. Our Special Price, $4.50.

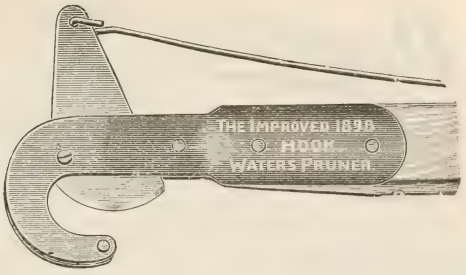
Auto-Spray No. 1D.—Galvanized Reservoir, Auto-Pop. Factory List Price, $5.50. Our Special Price, $5.00.

Auto-Spray No. 1A.—Brass Reservoir, Stop Cock. Factory List Price, $7.50. Our Special Price, $6.75.

Auto-Spray No. 1B.—Brass Reservoir, Auto-Pop. Factory List Price, $8.00. Our Special Price, $7.25.

Extras.

Auto-Pop Nozzles	$1.25
Extension Pipe, brass, 2-foot length, 50c.; galvanized	.40
Brass Elbow Extension	.30
Double Row Attachment	1.50
Brass Strainer for straining solutions used in Auto-Spray	1.00



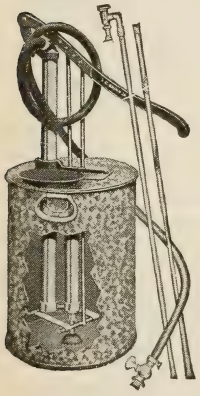
Waters' Tree Pruner

Waters' Tree Pruner is the only pruning implement which requires no skill in sharpening.

It is least liable to get out of order.

4 feet long	$ .75
6 feet long	.85
8 feet long	1.00
10 feet long	1.10
12 feet long	1.25

Extra knives, 20 cents



AUTO-SPRAY No. 3

Whitewash and Painting Machine

Capacity, 8 gallons; Net weight, 30 pounds; Shipping weight, 40 pounds.

The **Auto-Spray No. 3** is adapted for spraying whitewash, cold-water paint, trees, garden vegetables, plants, vines, etc. It is powerful, simple, perfect mechanically and fully warranted.

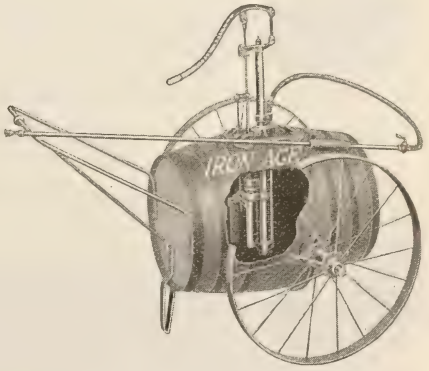
The Auto-Spray No. 3 is designed along the simplest mechanical lines, and has not one complicated part to get out of order or cause trouble.

The machine is always furnished complete with 8 feet of best 3-ply discharge hose, 8 feet of iron extension pipe, lever shut-off and Vermorel Nozzle.

Auto-Spray No. 3 with Galvanized Tank and full equipment. List Price, $14.00. Our Special Price, $12.00.

"IRON AGE" NO. 197

20 Gallon Barrel Sprayer



Easy to get around with and is mounted so as to avoid leakage. Brass pump—no corrosion. Easily taken out of barrel in one piece, for cleaning. Brass cylinder and brass ball valves, both easily got at. One hundred pounds steady pressure when spraying. No leather packing used. Handles any kind of solution, hot or cold. Will do all of the spraying for any home gardener or man with a small orchard, whitewash the chicken house, do cold water painting, etc. Price, $16.00.

Pratts ANIMAL AND POULTRY REGULATORS AND REMEDIES

Satisfaction Guaranteed or Money Refunded

PRATTS POULTRY REGULATOR

This is the original Poultry Regulator of America, in use by the most successful poultry raisers everywhere.

It is a guaranteed egg producer, and when regularly used, hens lay throughout the year.

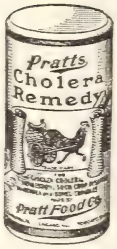
It is a perfect digestive and tonic and will prevent chicken cholera, gaps, roup, rheumatism, expel worms, prevent leg weakness, egg eating. It also greatly improves turkeys, geese, ducks, pigeons and guineas—insuring quick, healthy growth.

100-pound bags $9.00; 25-pound pails at $2.50; 50c. packages, weight 4 lbs.; $1.00 packages, weight 9 lbs.

PRATTS BABY CHICK FOOD

This is one of the greatest Money Savers and greatest Chick Savers ever placed on the market. Every man, woman or child who raises little chicks, turkeys, ducks and geese should try at least one package of Pratts Baby Chick Food. It is a scientific food ration to be fed for the first three weeks. If you want *real success* with your hatches, if you want to save all the baby chicks, if you want them to grow fast—get Pratts Baby Chick Food on our recommendation for your first trial, after that you will never be without it. Put up in 1-pound, 3-pound, 6½-pound packages, also 14-pound 25-pound, 50-pound and 100-pound bags.

PRATTS CHOLERA REMEDY



is an unfailing remedy for this disease and is a "guaranteed or money back" article which is prepared under our own supervision in our own laboratories. It is administered in the drinking water, and will be found of great value, not only for treating cholera, but also in cases of indigestion, sour crop, dysentery, diarrhea and bowel trouble. 25c. and 50c. a box.

PRATTS ANIMAL REGULATOR

This is the original and pioneer Stock Regulator of America. It keeps horses well and strong, improves their wind, and makes their coat sleek and glossy.

Cows give more and richer milk, the percentage of Butter fat being increased, and their calves are strong and healthy. Steers fatten in half the time.

Hogs are raised and fattened quickly and kept free from disease. Sheep are kept healthy, and their meat and wool improved by its use. Test it on our guarantee to do the work or money refunded.

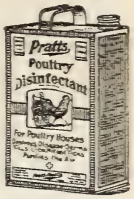
25-pound pails, $3., are popular with our customers; also in 50- and 100-pound sacks and small packages.

PRATTS DIP AND DISINFECTANT

has received the U. S. Government rating for sheep scab (1 part Dip to 70 parts water). Cures sheep of ticks, foot-rot and other diseases; cures cattle of mange, ring worm, scabies, screw worms; cures horses of mange, ticks, lice, ring worm, thrush, galls, cuts, wounds; cures hogs of mange, lice, eczema, fly and maggots; cures dogs of fleas, lice and mange.

1-quart, ½-gallon and 1-gallon cans.

PRATTS POULTRY DISINFECTANT AND LICE KILLER



If poultry keepers would regularly spray the chicken houses, roosts, dropping boards and utensils with Pratts Poultry Disinfectant, most all their troubles would vanish. This great Disinfectant is a real wonder-worker in the poultry yard. Put up in 1-quart, 35c., and 1-gallon cans, $1.00.

PRATTS ROUP REMEDY

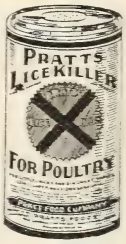
(Tablets or Powder)

is a scientific preparation GUARANTEED to prevent and cure roup, colds, canker, catarrh and diptheria.

In severe cases individual treatment with the tablets is the only sure method. For mild cases and as a preventative, crush the tablets or use the powdered form, and mix in the drinking water. Sold in 25c., 50c., and $1.00 boxes.

PRATTS LICE KILLER

(Powdered Form)



It quickly and thoroughly kills all lice on little chicks, big chicks, setting hens and incubator chicks. It rids horses, cattle, hogs, dogs and cats of lice, and destroys ticks on sheep. It destroys insects and bugs on vines, plants and flowers. A valuable deodorizer and disinfectant, for all poultry houses, barns, stables and dwellings. Drives out moths from closets, furniture, carpets and clothing. 25c. and 50c.

PRATTS WHITE DIARRHEA REMEDY

This remedy will positively save many dollars worth of little chicks to poultry raisers. It has taken us nearly three years to find a remedy for White Diarrhea and we are so sure that we have it in this article that we authorize our dealers throughout the world to refund the purchase price in case it fails. Extra large box, 50c; small size, 25c.

PRATTS SORE HEAD (Chicken Pox) REMEDY

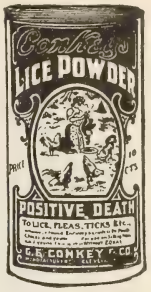
From costly experience poultrymen have learned to dread the disgusting disease known as Sore Head or Chicken Pox. They know it will practically ruin the flock unless quickly checked. We guarantee a sure, rapid cure if Pratts Sore Head (Chicken Pox) Remedy is used. 25c. and 50c. a box.

Pratts Head Lice Ointment.....25c.
Pratts Condition Tablets.....25c., 50c.
Pratts Bronchitis Remedy.....25c., 50c.
Pratts Gape Remedy.....25c., 50c.
Pratts Scaly Leg Remedy.....25c., 50c.
Pratts Prepared Worm Powder.....50c.
Pratts Bag Ointment (for cows).....25c., 50c.
Pratts Cow Tonic.....pkgs. 50c.
12 pound pail $2.00
Pratts Calf Tonic.....50c.
Pratts Hog Cholera Specific.....pkgs. 50.
12 pound pail $2.00

Conkey's Poultry Remedies

We who have been raised in the country have always had trouble with chickens and chicks. We had a few simple mixtures that we gave to sick chickens, but the number we lost was very great and discouraging. Now poultry raising has become as much a science, and the study of the chicken and its ailments, as any other branch of medicine. We recommend the following remedies as simple and effective:

Conkey's Healing Salve	50c.	per package
Conkey's Lice Powder	10c. and 25c.	" "
Conkey's Limber Neck Remedy	50c.	" "
Conkey's Roup Cure	25c., 50c. and $1.00	" "
Conkey's Gape Cure	50c.	" "
Conkey's Lice Killer	1 quart, 35c.; 2 quarts, 60c.	
Conkey's Poultry Tonic	25c.	per package
Conkey's Laying Tonic	25c.	" "
Conkey's Cholera Cure	25c. and 50c.	" "
Conkey's Chicken Pox Remedy	50c.	" "
Conkey's Scaly Leg Remedy	50c.	" "
Conkey's Bronchitis Remedy	50c.	" "



CONKEY'S POULTRY BOOK FURNISHED FREE ON APPLICATION

RUST'S CLIMAX CONDITION POWDER

The only positive preventative and cure for Gapes and Poultry Cholera, and a most excellent medicine for young Turkeys that have been exposed to the weather; also an excellent medicine for Horses, Cattle, Sheeps and Hogs. 13 ounce pkgs., 25c. 5 pound box, $1.00.

RUST'S EGG PRODUCER

This has given our customers universal satisfaction. 1 pound pkg., 25c.; 2½ pound pkg., 50c.

HALL'S BLACK DIAMOND LICE POWDER.—
Sure death to all kinds of Poultry lice. 25c. package.

Beef Scrap. 100-pound bag, $3.00; 4c. pound.
Oyster Shells, 100-pound bag, 65c.; 10 pounds, 15c.
Crystal Grit, 100-pound bag, 75c.; 10 pounds, 15c.
Crushed Bone, 100-pound bag, $2.75; 3c. pound.
Charcoal, 50-pound bag, $1.25; 2-pound carton, 10c.
Alfalfa Clover, 100-pound bag, $2.00; 4c. pound.

Red Comb Poultry Feeds are rapidly becoming recognized by successful poultry raisers as the standard for egg and flesh production. They are composed of choice grains and seeds, carefully selected as regards purity, cleanliness, sweetness, and freshness.

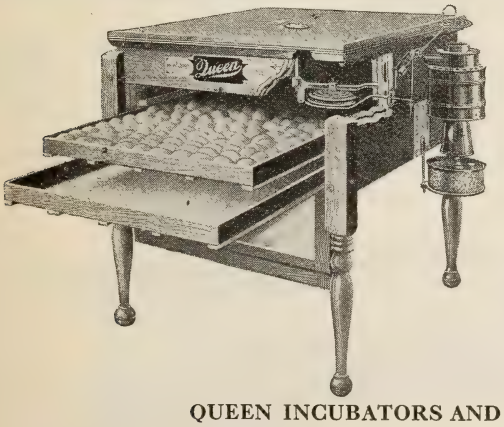
Red Comb Chick Feeds.—A carefully balanced mixture of many different seeds and grains proportioned to the needs of the growing chick. This food keeps chicks free from indigestion and bowel trouble. Will reduce the loss to a minimum. 3c. pound; 100 pound bag, $2.50.

Red Comb Scratching Food.—A combination of various grains, coarsely cracked just the thing to insure heavy yield of fertile eggs. Pound, 3c. 100 pound bag, $2.35.

Red Comb Pigeon Feed.—Composed of the very best hard red winter wheat and other grains and seeds of equal quality. Pound, 3c., 100 pound bag, $2.50.

Park and Pollard's Dry Mash Lay or Bust.—Price per 100 pounds, $2.75. Per pound, 3c.

Park and Pollard's Developing Food.—Per 100 pounds, $2.75. Per pound 3c. Ask for P. & P. Year Book and Almanac for 1915.



Queen

INCUBATORS and BROODERS

are everything the name implies.

They excel all others in:—

Construction:—Seasoned redwood and copper.

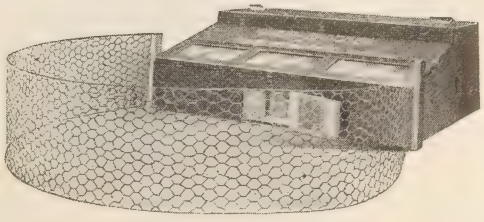
Finish:—Piano polish and bright metal.

Ease of Operation:—Economy, Safety, Large hatches, Vigorous chicks.

In all sizes from 70 to 540 eggs.

QUEEN INCUBATORS AND BROODERS ARE GUARANTEED

Use a Queen Incubator to hatch your chicks and raise them in a Queen Brooder if you would have the best of success. Queen Brooders in points of construction, quality, finish, and results are fit companions of the Queen Incubators. Built in both the fireless and lamp heated types for either indoor or outdoor use, they are bound to please. Fully guaranteed.



USE A QUEEN—HAVE SUCCESS

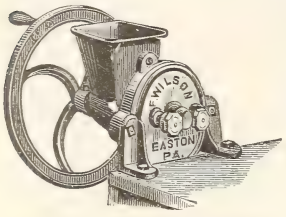
P. MANN & CO., WASHINGTON, D. C.

MANN'S GREEN BONE CUTTERS

The feed is both automatic and self-governing and successfully adapts itself automatically to the operator's strength, and the self-governing feed never feeds faster than the operator can cut easily. The cutting device is the latest pattern and is guaranteed to do the work successfully and satisfactorily. Cuts all gristle and meat. Nothing escapes uncut.

No. 5C (with Crank Handle)..... $ 6.00
No. 5B (with Balance Wheel)..... 8.00
No. 5BM (with Balance Wheel and Iron Stand)..... 10.40

No. 7 (with Balance Wheel)..... $12.00
No. 7½ (Semi-Power Machine)..... 16.00
Clover Cutter (with Balance Wheel and Iron Stand)..... 10.00



WILSON'S BONE AND SHELL MILL

No. 1. Grinds oyster or clam shells and dried bones, and is an excellent mill and largely used.

Will also grind corn.

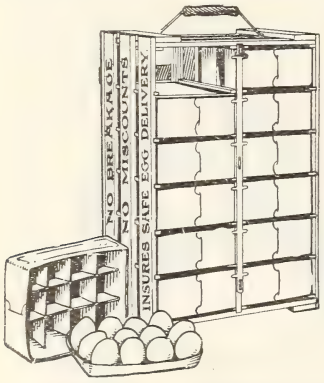
Weight without stand, 33 pounds..... $4.00
Weight with stand, 64 pounds..... $7.00

CAPONIZING TOOLS

Every poultry man knows that Capons are much larger fowls, sweeter and finer meat and sell at a much higher price than others. You can do your own caponizing easily.

Book with full instructions sent free with each set of instruments.

Price in Leather Case, with instructions..... $2.75



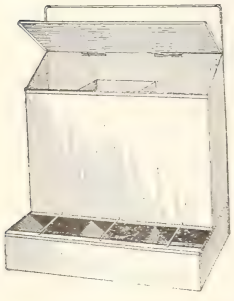
Safety of your Egg deliveries insured.

Our inexpensive tray delivery will please your customers.

No breakage.

No miscounts.

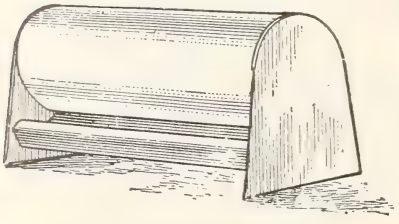
No. 4 Crate Includes 4 Carriers and 4 Trays, Cap. 4 doz. eggs each $0.80
" 6 " " 6 " " 6 " " 6 " " " .90
" 8 " " 8 " " 8 " " 8 " " " 1.00
" 12 " " 12 " " 12 " " 12 " " " 1.25
" 18 " " 18 " " 18 " " 18 " " " 2.00



1-2-3 POULTRY FEEDER

for Dry Mash, Scraps, Shells, Grit, Charcoal or any poultry feed. When used for one kind of feed only take out separator; for two kinds put separator in one end; when used for three kinds, say scraps, shells and grit, put separator in the middle and you have three separate feeders.

1-2-3 Poultry Feeder, 75c.



9-in. Hub Chicken Feeder

CORN SHELLER

Original in every feature, never breaks or fails to do good work. Shells fast. Shells clean. Shells easily. Price $2.00.

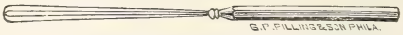
THE PHILADELPHIA POULTRY MARKER

Well made, with steel spring and cutter, nickel plated. Made in two sizes. Price, 25c. and 50c.

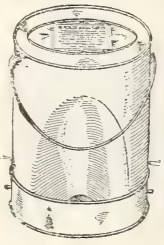
PILLING FRENCH POULTRY KILLING KNIFE

Every poultry raiser should have one of our Killing Knives. They are made of a finely tempered instrument steel, with nickeled handle; will last a life-time. Sent postpaid on receipt of 50 cents.

PHILADELPHIA GAPE WORM EXTRACTOR



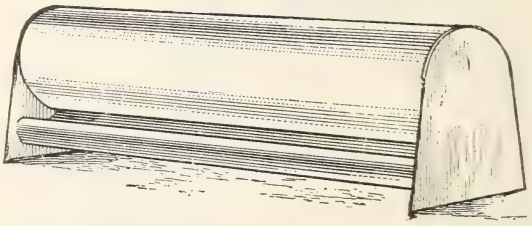
Postpaid, 25 cents each.



THE PEERLESS DRINKING FOUNTAIN

is right. The water is always pure. It is protected from dirt and filth. Easy to clean and fill and fowl cannot injure their combs when drinking. Simple in construction.

5-qt. Peerless Fountains, 60c.
Peerless Brooder Fountains, 30c.



15-in. Hub Chicken Feeder

THE HUB CHICKEN FEEDER

is sanitary, keeps the feed clean and dry. Chickens cannot get into it, and cannot waste the feed. It will pay to use the Hub Feeder for small chickens. 9-inch Feeder, 35c. 15-inch Feeder, 50c.

THE DAIRY

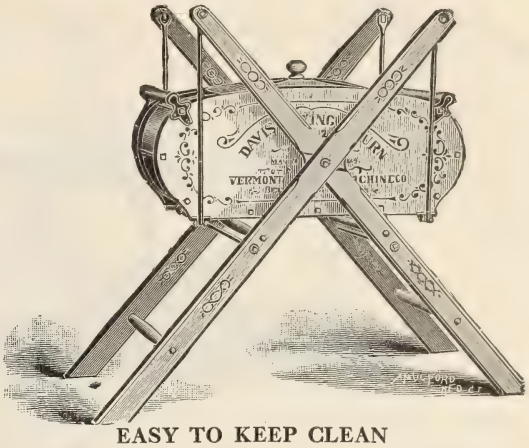
DAVIS SWING CHURN

The round ends of the Churn cause the cream as it strikes against them to slide up and over, turning a complete somersault, consequently the cream is thoroughly agitated.

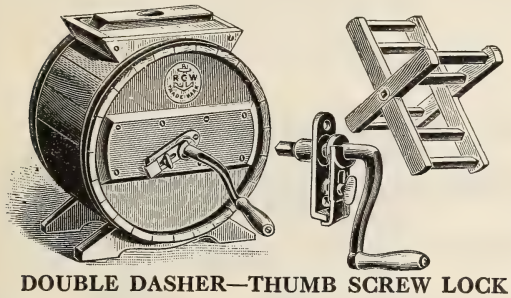
The butter comes in beautiful granules in the most desirable form for washing in cold water or brine.

Each Churn has a glass indicator in the cover, thus enabling the operator to tell when the butter comes without raising the lid. The lid is ventilated and there is no slopping or dripping of cream. Easy to operate; in fact, any child can do it.

No.	Will Churn	Capacity	Price
1.	4 gallons or less	8 gallons	$7.00
2.	5 gallons or less	10 gallons	8.00
3.	8 gallons or less	16 gallons	10.00
4.	10 gallons or less	20 gallons	12.00
5.	13 gallons or less	26 gallons	15.00



EASY TO KEEP CLEAN



DOUBLE DASHER—THUMB SCREW LOCK

IMPROVED CEDAR CYLINDER CHURNS

We now use a double dasher, and the crank is locked to the churn with a clamp and thumb screw which prevents leakage—lock cannot break. The top is large, and dasher easily removed. The best churn in use.

Price, No. 1,	3 gallons, each	$2.25
Price, No. 2,	4 gallons, each	2.75
Price, No. 3,	7 gallons, each	3.25
Price, No. 4,	10 gallons, each	3.75

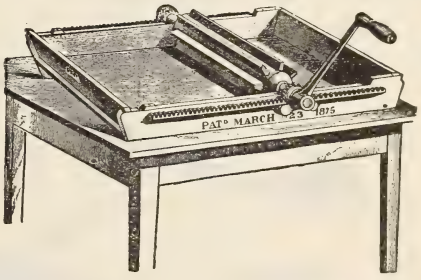
DAZEY GLASS CHURN

Made in Four Sizes.

Nos.	10G	20G	30G	40G
Pints	3	5	7½	9

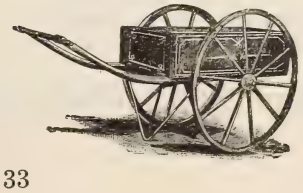
For those churning from 1 pint to one-half gallon, they undoubtedly are the most convenient and quickest churn made. **Prices:** No. 10—$1.25. No. 20—$1.75. No. 30—$2.25. No. 40—$2.75.

REID'S BUTTER WORKER



Consists of a tray and a roller with paddles, which is turned by a crank and traverses from end to end of tray. It acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain.

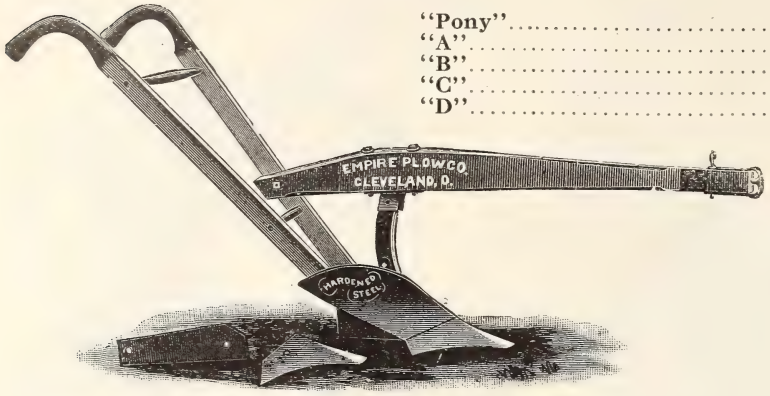
No.	Inside Measurement.	Capacity Lbs.	Weight Lbs.	Retail Price.
1.—	23 x 36 x 2½ inches	50	45	$8.00
2.—	20 x 36 x 2½ inches	30	29	6.40
3.—	17 x 27 x 2½ inches	20	25	5.60
4.—	14 x 24 x 2½ inches	10	20	4.80



Lansing Hand Carts

No. 2—Wt,	80 lbs.	Price $6.50
No. 1—Wt.	90 lbs.	Price 7.50
No. 0—Wt.	100 lbs.	Price 9.00

STEEL KING PLOWS

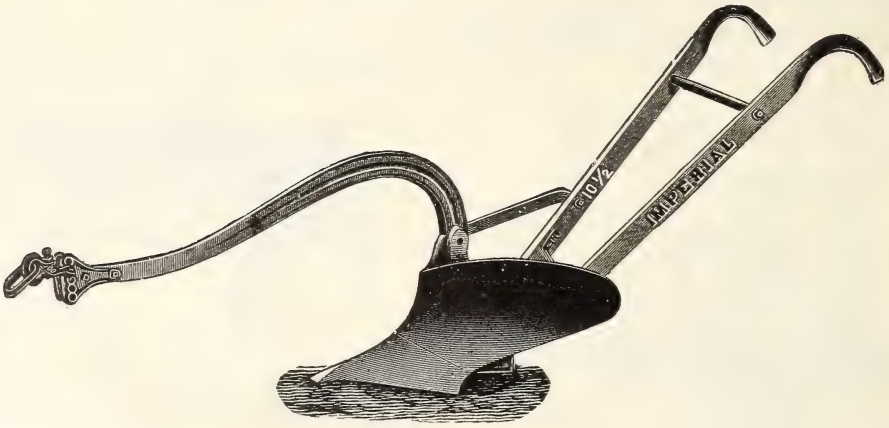


"Pony"	(No. A)	$2.50
"A"	(No. B)	3.25
"B"	(No. 10)	4.50
"C"	(No. 13)	5.50
"D"	(No. 19)	6.50

Plows include wrench and one hardened steel share extra.

The base of these plows is made entirely of steel, with hardened steel share. Landside has suction device for regulating in hard ground. The success attending the introduction and sales of these plows the past season enables us to offer them again with confidence. They are well made, nicely finished, and do first-class work.

THE BUCHER & GIBBS
"Imperial" Steel and Wood Beam Plows



Imperial plows are made in all sizes, steel or chilled, from a small pony to a large two or three-horse plow, either right or left-hand. Wood or steel beam, with or without wheel and jointer.

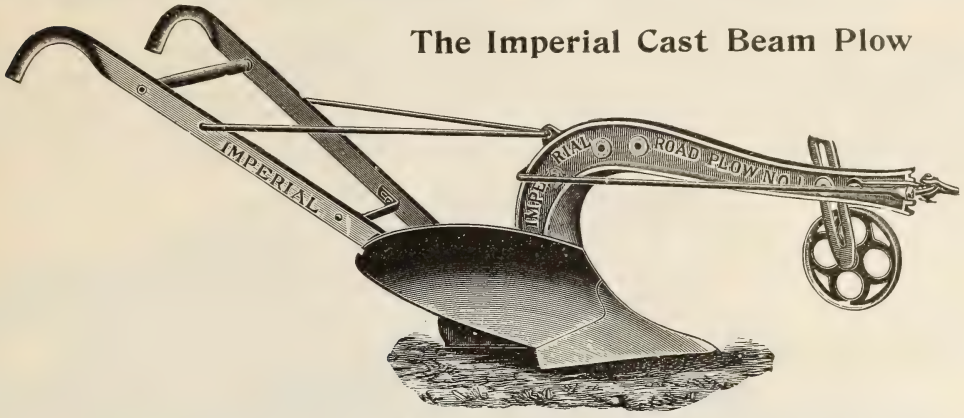
Imperial Hillside Plows in wood or steel beam, all sizes.

Price, No. 10½, Steel Beam	$10.00
Price, No. 12, Steel Beam	11.00
Price, No. 710, X Steel Beam	10.00
Price, No. 612, X Steel Beam	11.00
Wheels extra for all plows	1.00
Jointers complete	2.00

Tubular Steel Plow Doubletrees In Sets

CONTRACTORS' AND ROAD PLOWS

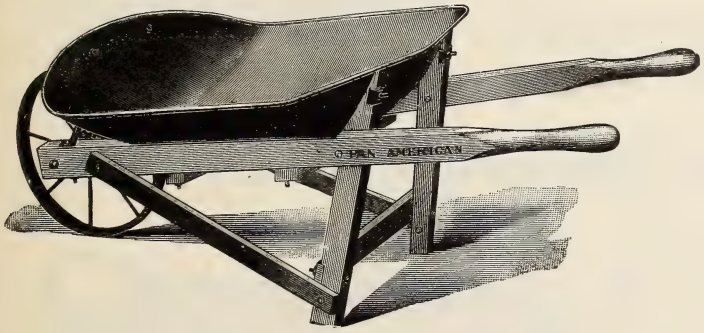
The Imperial Cast Beam Plow



Above cut represents the Imperial Road Plow No. 1, built expressly for heavy work, such as grading streets, roads, etc. It is well braced and strongly made in all its parts. Weight, 170 pounds.

No. 1, Road Plow, Right Hand only, without wheel.....$15.00
Wheel, complete, extra..... 1.00
Cast-steel share for this plow..... 2.50

We carry in stock a full line of Contractors' Tools. Prices on application.

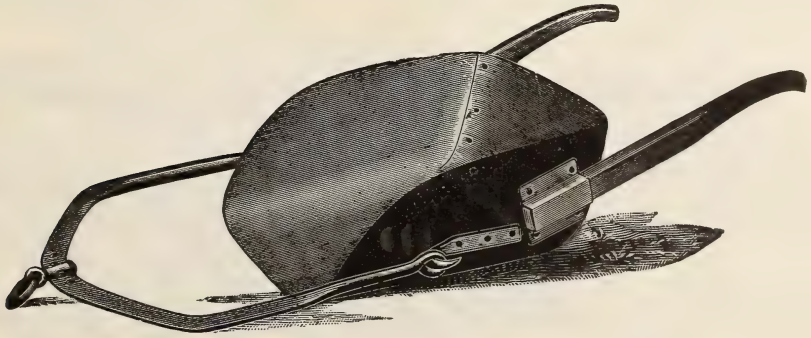


Pan-American Steel Tray Barrow

One of the strongest barrows made. Full size tray. Put together entirely with bolts.

Price, with 16-inch steel wheel.....$3.75

Syracuse Steel Drag Scrapers



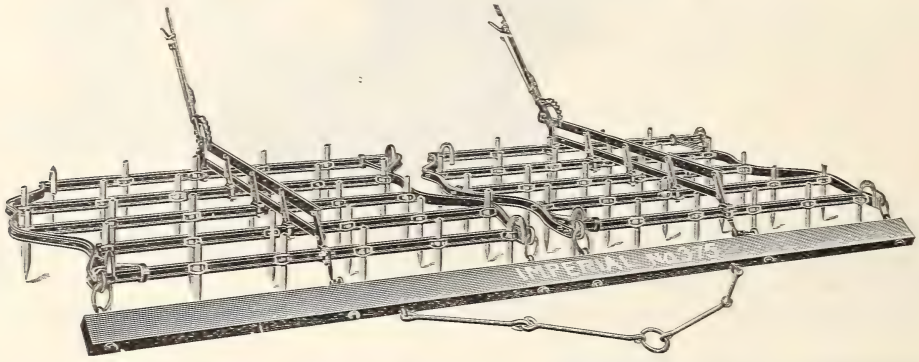
The Syracuse Scrapers are shaped cold from a single sheet of steel, lapped and rivetted at the corners. They are uniform in thickness throughout, except at the corners, where they are of double thickness.

	Weight.	
No. 1—Capacity, 7 cubic feet of earth; made of extra heavy steel plate.....	105 lbs.	$6.00
No. 2—Capacity, 5 cubic feet of earth.....	95 lbs.	5.75
No. 3—Capacity, 3 cubic feet of earth; intended for use of single horse.....	85 lbs.	5.50

THE IMPERIAL "U" BAR LEVER HARROW

The Imperial "U" Bar Lever Spike Tooth Harrow is made in a strictly first-class manner throughout. In construction, this Harrow has many advantages over those of other manufacturers. The frame of the Harrow is channel steel, of good weight and strength. The "U" Bars pass through the main frame of the Harrow, and are held in position by a malleable clamp. The construction gives great strength to the Harrow and at the same time allows flexibility. Each section is fitted with four steel runners, one attached to each corner, for transportation. These runners, when the Harrow is at work, are on top of the frame and do not obstruct. By throwing the lever forward the runners are thrown down in a position which carries the entire Harrow off the ground.

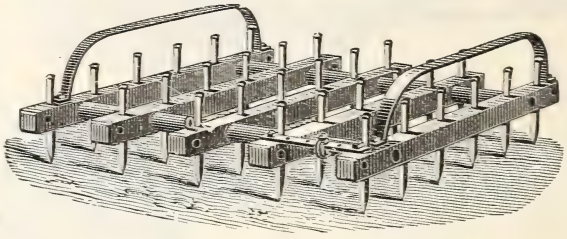
A HIGH GRADE SPIKE TOOTH HARROW



No. 370, 1-section, 25 $\frac{5}{8}$-inch teeth. Weight, 97 pounds.....$ 6.00
No. 371, 2-section, 50 $\frac{5}{8}$-inch teeth. Weight, 173 pounds..... 10.50
No. 375, 2-section, 60 $\frac{5}{8}$-inch teeth. Weight, 215 pounds..... 12.00
No. 372, 3-section, 75 $\frac{5}{8}$-inch teeth. Weight, 290 pounds..... 16.00

The Brown Gardener's Harrow

Made in one section, contains 30 and 24 teeth. It has no equal as a tool for market gardeners. Designed to be used for one horse, and is easily handled in small garden plots. The harrow is strong and durable and is furnished with runners for transportation.

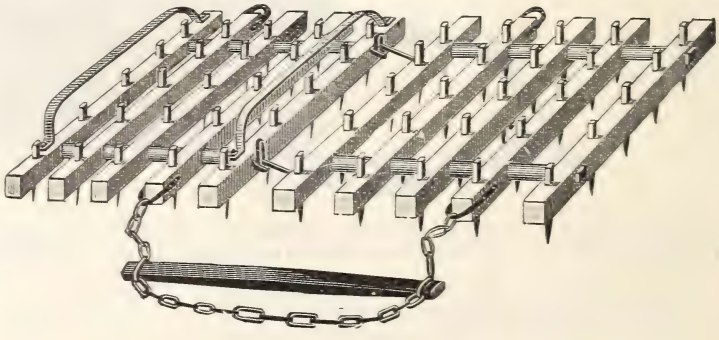


24-tooth harrow, cuts 3 ft. 8 in. wide.....$5.50
30-tooth harrow, cuts 4 ft. 6 in. wide..... 6.00

The Brown Two-Section Harrow

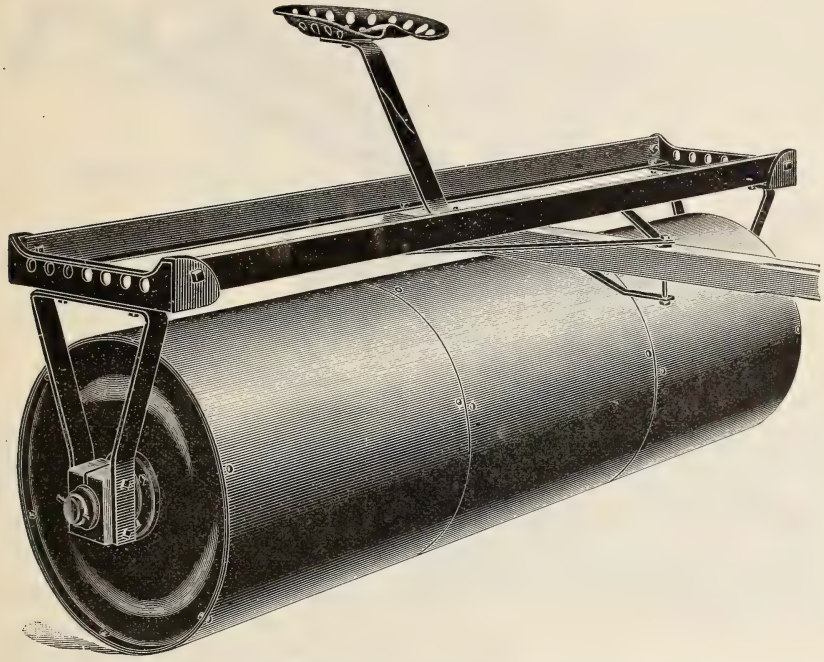
We make two sizes of this harrow. The larger size has 50 teeth and cuts eight feet and six inches wide. The smaller size has 40 teeth and cuts six feet and six inches wide.

Our two-section harrows are guaranteed better made, better finished and have more superior points of excellence than ordinary Scotch harrows, with which they should not be confounded.



2-section, 40 teeth.....$ 9.00
2-section, 50 teeth..... 11.00

IMPERIAL STEEL LAND ROLLER



The Imperial Roller is built for hard service. It is strong, solid and substantial. The Drums are made of high carbon sheet steel, No. 12 gauge, and the ends are closed with tight fitting solid sheet steel heads, put together with bolts (not rivets). Dirt and stones are excluded from the interior of the Drums which turn independently on the axle.

Cast sleeves or collars are placed in the hubs at the ends of each drum, and the wear, if any, comes on them and not on the axle.

The axle is made of 1⅞-inch steel shafting and turns in hard maple boxes carried in steel hangers. We were the first to use hard wood boxes in Land Rollers, and years of service have proved their superiority. They are better than metal bearings for the conditions in which they are used, wear longer and are easily replaced by the farmer himself.

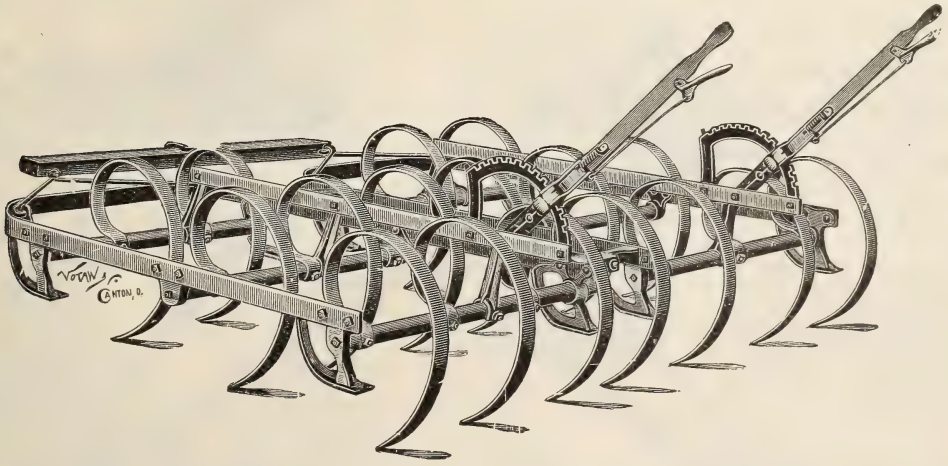
The frame or top of the Roller is made of steel, full ¼-inch material, and is better, stronger and more durable than a wood frame.

The Imperial Roller is simple of construction, strong in every part and every pound of material is the best obtainable. With ordinary care it will last a life-time. Comparison with other Rollers in the following particulars is invited:

Weight and quality of steel used in drums; weight of steel used in frame; diameter of axle; construction of drums with closed heads bolted together; material and construction of hangers; bearing, as to durability, ease of renewal, and fitness for the service required.

No. 7, 8 feet, 3 sections, 24-inch diameter, 635 pounds. Price, $25.00

Imperial Spring Tooth Lever Harrow



All Steel Frame; teeth of finest spring steel, frame elevated on runners or wheels; prevents accumulation of trash; fitted with plain or self-sharpening teeth or reversible, renewable point teeth.

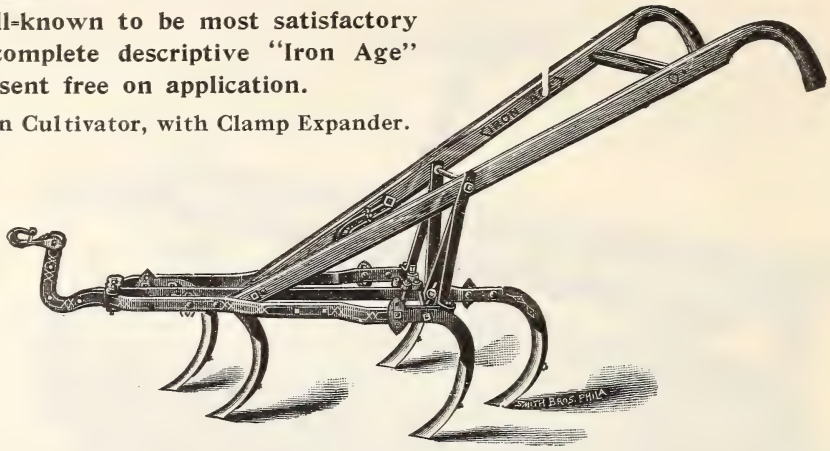
2-sections, 15-tooth..... $16.00
2-sections, 17-tooth..... 17.00

If seat is wanted, add $1.00 extra. Extra teeth, 40c. each.
Reversible Spring Tooth Points for all Harrows, 20c. each.

IRON AGE FARM and GARDEN TOOLS

These tools are well-known to be most satisfactory and the best. A complete descriptive "Iron Age" Catalogue for 1915 sent free on application.

No. 1 "Iron Age" Plain Cultivator, with Clamp Expander.



Price, as in cut, $3.25.
With Plain Wheel, add 75 cents.
With Lever Expander add 75 cents.
With Lever Wheel add $1.00.
With Horse Hoe and Sweep, add $1.30.

In this cut we represent our **"Iron Age"** in its simplest form—a plain cultivator. In this shape we sell it largely in those sections of the country where labor is inefficient and a cheaper and simpler tool is desirable. It is an honest, strong and faithful servant.

DIXIE STEEL FRAME CULTIVATOR

Price.....$2.75 Add for Draft Rod.....25c. Add for Lever Expander..75c. Add for Wheel .....75c.

The No. 6 "Iron Age" Combined Double and Single Wheel Hoe Hill and Drill Seeder

Packed Weight, 57 Pounds. Price $12.00

No. 14, No. 6 combined Hill and Drill Seeder (side hoes and teeth only). Price $10.50. Hill and Drill Seeder only. (No. 7). Price $9.00

No. 1 Combined Harrow and Cultivator

A combination tool that is a quick seller because of its high frame, clean cut construction and adaptation for many crops and two kinds of cultivation, as a harrow and as a cultivator.

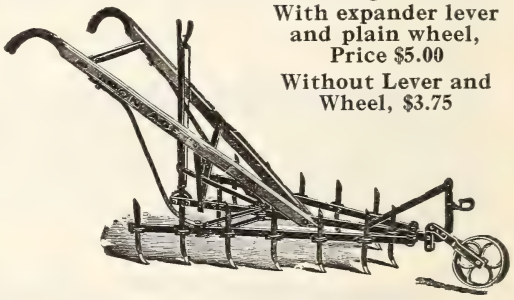
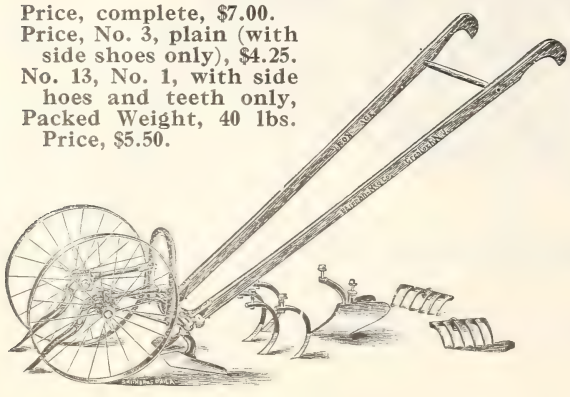


Fig. 106
With expander lever and plain wheel, Price $5.00
Without Lever and Wheel, $3.75

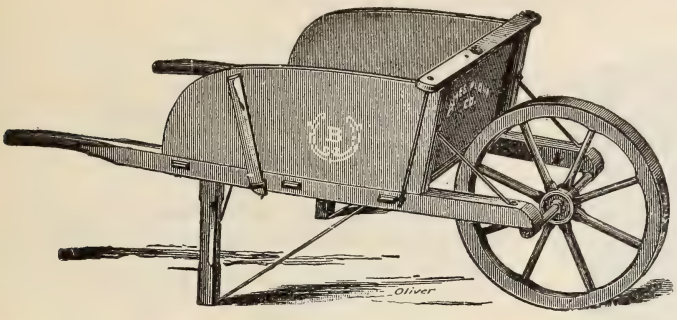
The No. 1 "IRON AGE" Double and Single Wheel Hoe

Price, complete, $7.00.
Price, No. 3, plain (with side shoes only), $4.25.
No. 13, No. 1, with side hoes and teeth only, Packed Weight, 40 lbs. Price, $5.50.



Price, $3.50
Packed Weight, 22 lbs.

No. 19-C "IRON AGE" Wheel Plow Cultivator



Beekman Garden Wheel Barrow

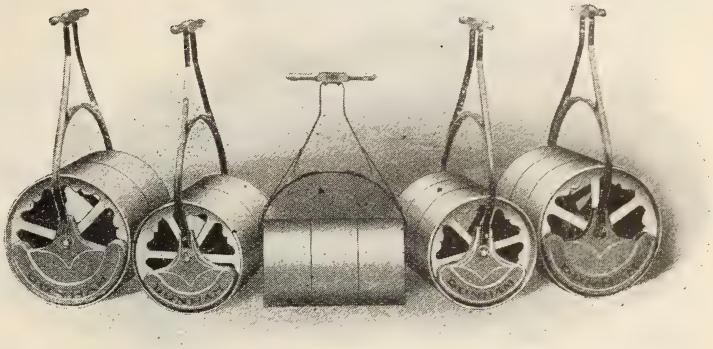
The No. 4, with our new eight-spoke iron hub wheel on steel axle as illustrated.

No. 3, with our new six-spoke wheel on steel axle.

Price, No. 2, Boy's Medium....$3.25
Price, No. 4, Medium..... 3.50
Ames' No. 4, Medium..... 4.50

Capital City Garden and Lawn Roller

The benefit derived from the use of a roller on the lawn, especially in the spring, is not fully understood. The action of freezing and thawing the ground causes the ground to heave, and if the sod is not firmly pressed back with a roller before the hot weather begins the grass is apt to be killed or injured, leaving the lawn full of bare spots.



No.	Diameter	Length	Sections	Face	Weight	Price
LR 401.....	15	16	2	8	150	$ 7.50
LR 402.....	15	24	3	10	200	10.00
LR 404.....	20	20	2	8	250	12.00
LR 407.....	20	24	2	10	300	15.00

Mehler's Handy Gardener

Hoe, Rake, Weeder & Cultivator In One

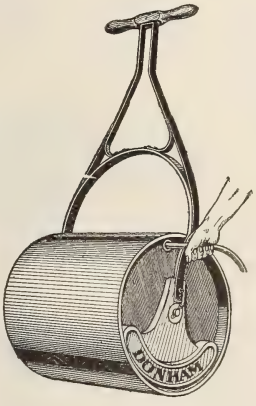
An entirely distinct tool 5½ ins. wide with a special handle 4⅛ ft. long; entire weight 2 lbs.

Note the comfortable position and special arrangement of the five teeth, which allows cultivation closer to the plant than any other device, and at the same time on three sides at one stroke.

No hoe is needed where this tool is used; just the thing for working among flowers and young vegetable plants.

Send for descriptive circular

Price 75c. each



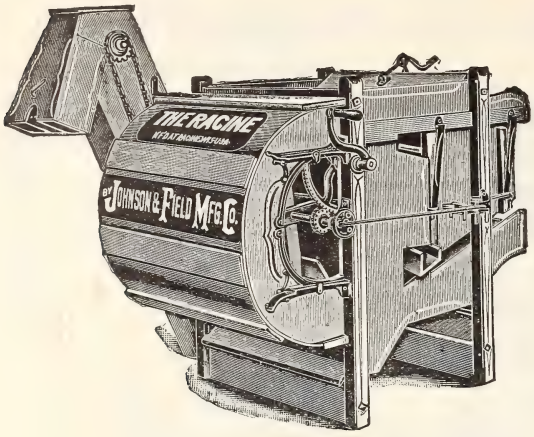
DUNHAM Water-Weight Roller-Bearing Lawn Roller

ROLL YOUR LAWN

Rolling will cure 50 per cent of your lawn troubles. Rolling will eradicate weeds, keep grass from dying and promote even growth, over which the mower will operate to perfection. It also discourages the work of moles, worms, ants, etc.

PRICE LIST WITH COUNTER-BALANCING WEIGHTS

No.	Diam. Inches	Length Inches	Sections	Weight Empty	Filled with Water	Price
HW 2.....	14	20	1	120	260	$10.00
HW 4.....	18	24	1	135	360	12.00
HW 6.....	24	24	1	185	560	15.00
HW 8.....	24	32	1	200	710	16.00
HW 10.....	18	24	2	160	360	15.00
HW 12.....	24	32	2	230	710	20.00
HW 14.....	24	24	2	185	560	19.00



THE RACINE

FARM MILL

Will clean from 60 to 100 bushels per hour. Made of best material and finished in a neat and tasty manner. Price.....$20.00

Sieves, each, $1.50. Screens, each..... $1.50

Malta Shovel Plows

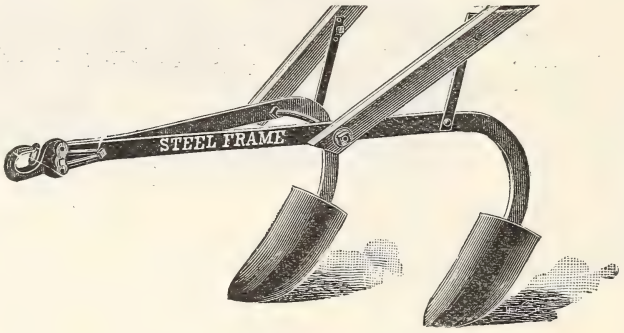
SINGLE AND DOUBLE SHOVEL

Blade has two holes.

Clevis is adjustable.

Frame all steel.

The beams on this plow are made of steel 1½ x 1⅝ inches.



This gives the plow a light draft and the beams are stronger than those made of 1½ x ¾ inch Iron. Size of shovel, 6 x 11 x 7-16 inch.

Price, Double Shovels.....$2.50 Single Shovels.....$2.25

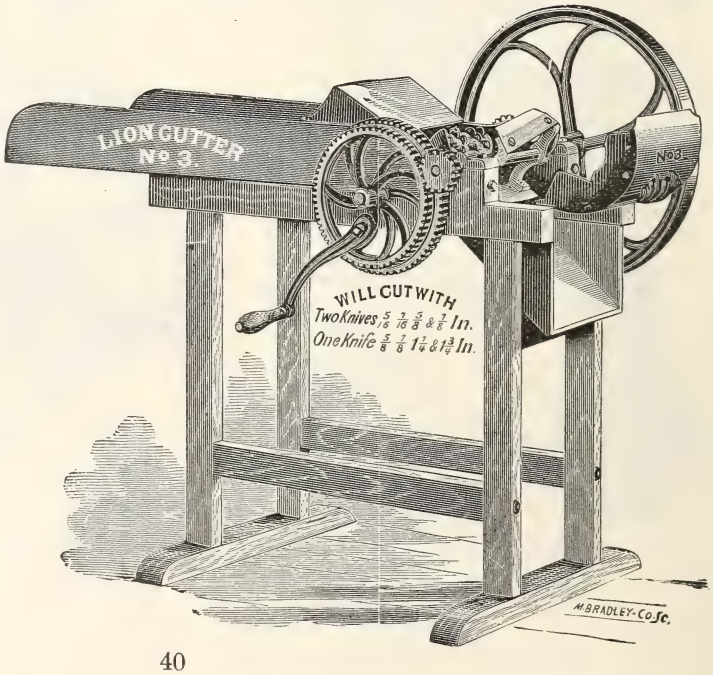
Triple Shovels.....$3.25

The Lion Feed Cutter

No. 1 Machine has two knives 6¼ inches long. Weight 110 pounds. Price.....$14.00

No. 2 Machine has two knives 7¼ inches long, good capacity; style frame as No. 1. Weight, 128 lbs. Price....$16.00

No. 3 Machine with two knives 8½ inches long is the favorite Hand Machine. Weight 155 lbs. Price.....$20.00



NOXALL LEVER CUTTER

simple, durable, handsome, cheap. It has an 11-inch tempered curved knife, which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

Shipped K. D. to secure lowest freight rates, and can be set up in a moment.

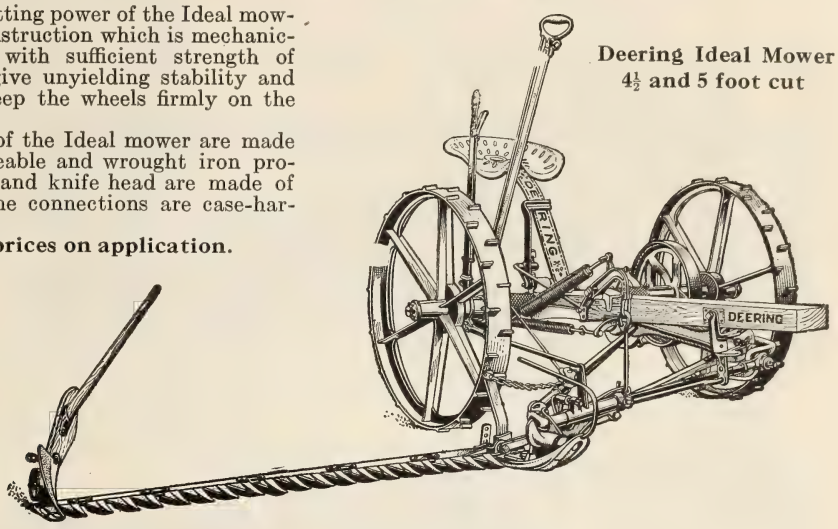
Price.....$3.00

DEERING IDEAL MOWERS

The unsurpassed cutting power of the Ideal mower is the result of a construction which is mechanically correct, together with sufficient strength of the various parts to give unyielding stability and sufficient weight to keep the wheels firmly on the ground at all times.

The working parts of the Ideal mower are made of the best steel, malleable and wrought iron procurable. The pitman and knife head are made of the finest steel, and the connections are case-hardened in oil.

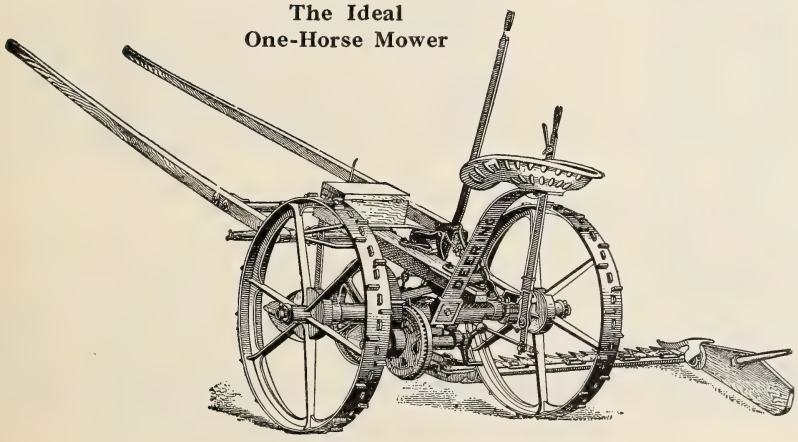
Catalogue and prices on application.



Deering Ideal Mower
4½ and 5 foot cut

DEERING IDEAL ONE-HORSE MOWER

The Ideal
One-Horse Mower



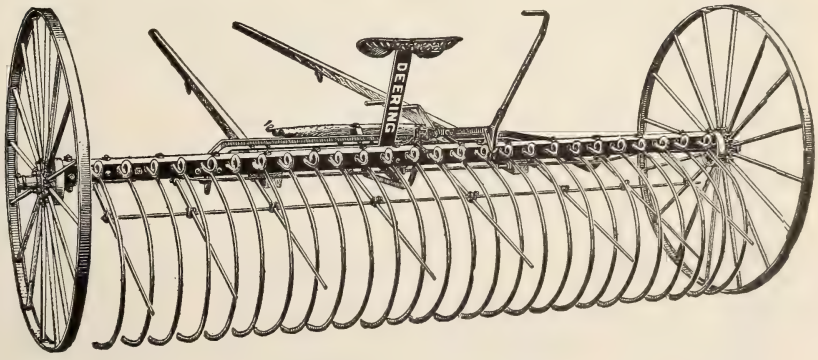
This mower is considerably lighter than the regular ideal mower, so that it can very easily be drawn by one horse. It is a desirable machine for mowing on small farms, on lawns or in cemeteries.

Catalogue and prices on application.

DEERING HAND AND SELF-DUMP HAY RAKE

When this rake is used to gather the hay crop the hay grower can feel absolutely certain that he has gathered every part of the crop in the best manner and in the shortest time. The rake is designed especially for clean raking, for strength and for durability.

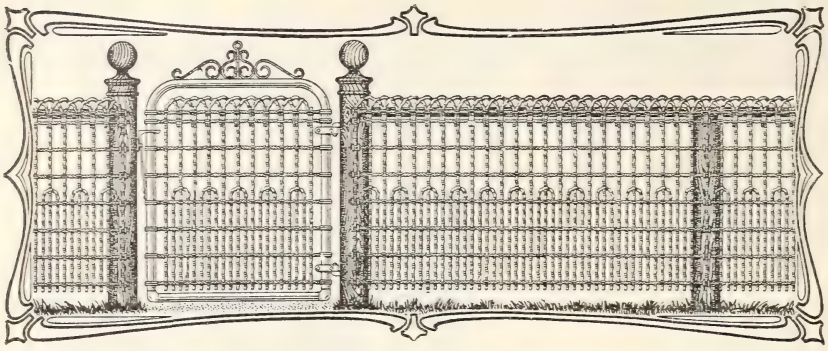
Catalogue and prices on application.



Deering Ideal Hay Rake

Repairs for Deering and other makes furnished

WAUKEGAN-CYCLONE SANITARY WIRE FENCING



STYLE "F"

lets in fresh air and sunlight, protects flowers, gardens, lawns and shrubs without obstructing the view.

Pickets No. 9 heavily galvanized wire, spaced 2¾ inches apart at top, 1⅜ inch at bottom.

Best heights, 36-inch, 42-inch and 48-inch.

Price Per Lineal Foot, Style "F"

36-inch.....10c.
42-inch.....11c.
48-inch.....12c.
3-foot gate to match, $2.50

LOWER PRICES IN QUANTITY LOTS

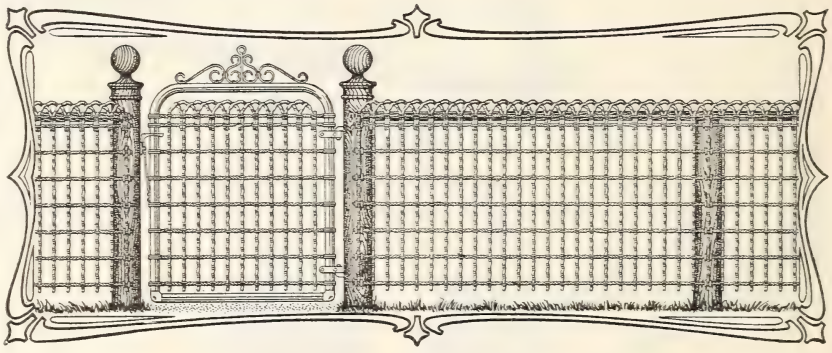
STYLE "L-Extra"

is exactly like style "F" above except intermediate pickets are omitted. Recommended especially for front and back yards and division fences.

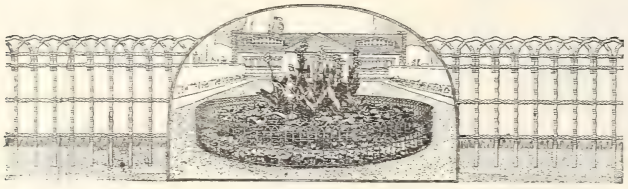
Best heights are 36-inch, 42-inch and 48-inch.

Price Per Lineal Foot Style "L-Extra"

36-inch.....8c.
42-inch.....9c.
48-inch.....10c.
3-foot gate to match, $2.50



LOWER PRICES IN QUANTITY LOTS



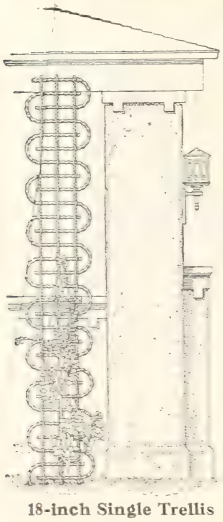
PERFECTION FLOWER GUARD

fits any shape or size of flower bed, no posts necessary. Bottom of pickets left straight to be easily inserted in ground. Cut to any length, can be taken up and used from year to year.

Made in two heights.

Price Per Lineal Foot

16-inch.....5c.
22-inch.....6c.



18-inch Single Trellis

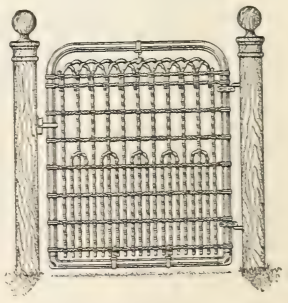
SINGLE TRELLIS

keeps its shape indefinitely, just the thing for climbing plants and flowers. Cut to any length, to fit any porch.

Made in two widths.

Price Per Lineal Foot

18-inch.....5c.
24-inch.....6c.

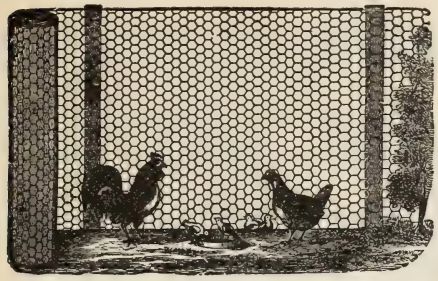


UNIVERSAL WALK GATES

with heavy, high-carbon steel tubing, non-breakable frames, and close mesh, chicken-tight fabric. Hinges and latch to hang to wood posts.

Best heights, 36-inch, 42-inch and 48-inch.

Price for 3-foot opening.....$2.00



Galvanized Poultry Netting

For Enclosing Poultry Yards

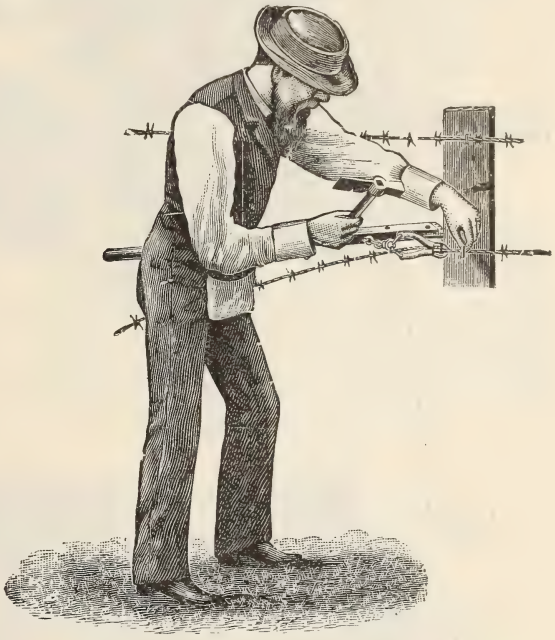
The Wire we offer is all Nos. 19 and 20 double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

No. 19	In. Wide.	Sq. ft.	Per B.	No. 20	In. Wide	Sq. ft.	Per B.
"	12	150	$ .80	"	12	150	$ .70
"	18	225	1.25	"	18	225	1.05
"	24	300	1.65	"	24	300	1.15
"	36	450	2.50	"	36	450	2.05
"	48	600	3.30	"	48	600	2.70
"	60	750	4.00	"	60	750	3.40
"	72	900	5.00	"	72	900	4.00

Special price in large quantities.

Price ¾ cent per sq. ft. in less than bale lots. Staples for fastening, 10 cents per pound.

New American Poultry and Rabbit Fence—For poultry yards, gardens, orchards and yards, it is a great favorite. Price, 48-inch, $4.25; 53-inch, $4.50; 58-inch, $5.00; in 10-rod rolls.



TOWNSEND WIRE STRETCHER

With this instrument the person stretching the wire can nail it to the post from which he is stretching without assistance.

The only true principle for a wire stretcher. Price, 75c.

Southern Post Hole Digger

ALL STEEL

Durable Strong Everlasting

The Southern Digger is made entirely of steel. There are no castings or wooden handles to break, or bolts to work loose. Price, $1.50.

Gibbs Post Hole Digger

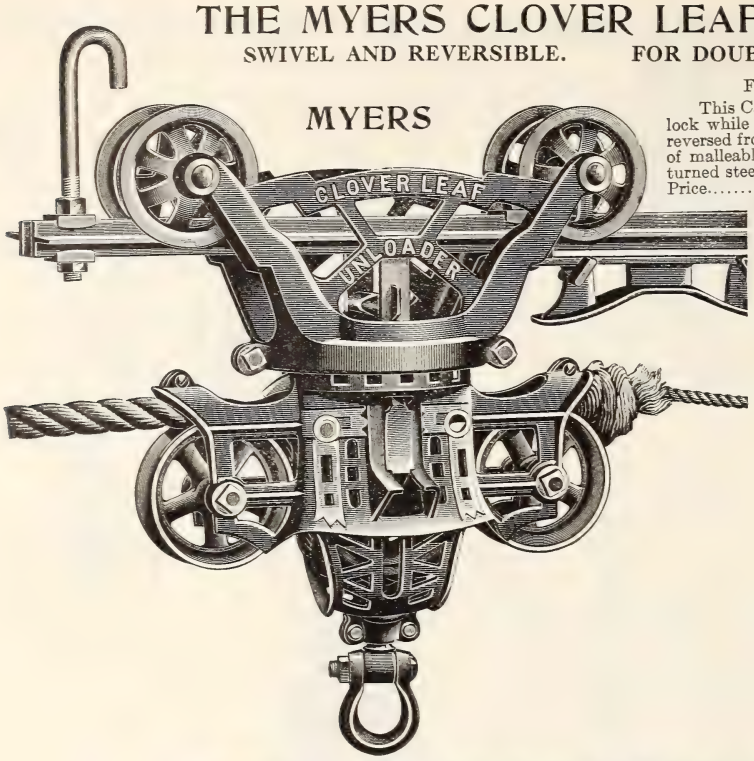
Works successfully in all kinds of soil where most diggers fail

ADVANTAGES.—Easiest operated. Very durable. More soil can be brought out at one time and with less labor. Scours or cleans better in mucky soil. All wearing parts have steel pins. Blade is made of best tempered cast steel; the rod and yoke are also steel. Only one blade to keep sharpened.

Price..... $1.50

THE MYERS CLOVER LEAF UNLOADER

SWIVEL AND REVERSIBLE. FOR DOUBLE STEEL TRACK

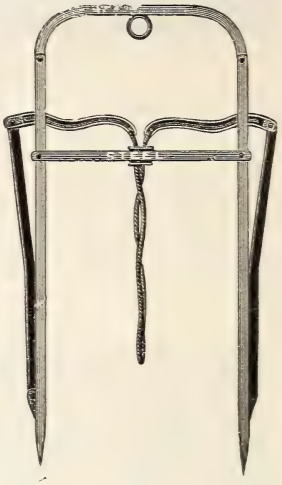


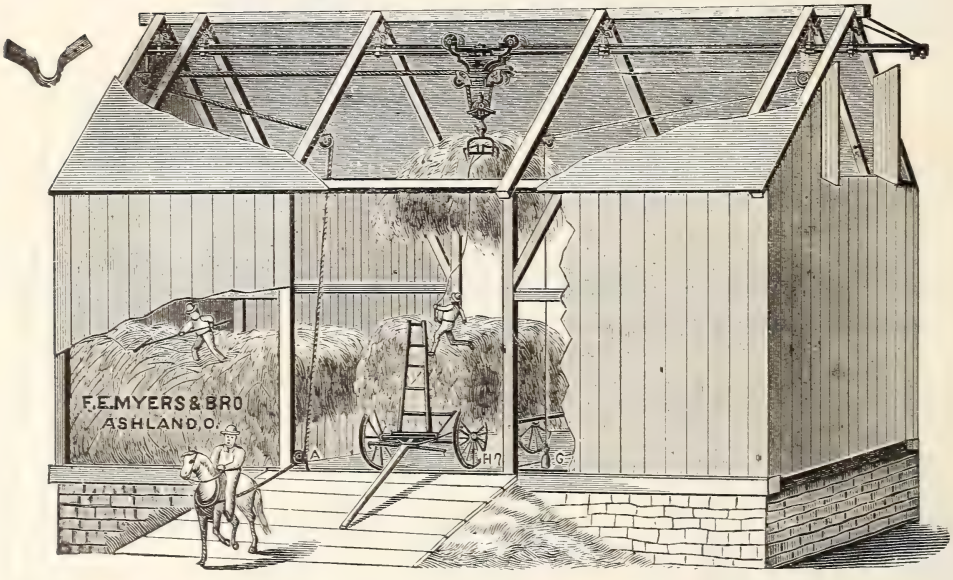
For Double-Angled Steel Track.

This Carrier cannot pass the bumper or trip lock while in operation, and is easily and quickly reversed from the floor. It is constructed entirely of malleable iron; travelers and sheaves revolve on turned steel bushings.

Price..... $4.50

DOUBLE HARPOON HAY FORKS





Material Required for a Steel Track Outfit

For a 40-foot Barn.—One Carrier, 40 feet of steel track, 21 hanging hooks, 21 rafter brackets, 5 knot passing pulleys, 1 D. H. Fork, 6 floor hooks, 110 feet $\frac{13}{16}$-inch manila rope, 40 feet $\frac{3}{8}$-inch reverse rope.

For a 50-Foot Barn.—One Carrier, 50 feet of steel track, 25 hanging hooks, 25 rafter brackets, 5 knot passing pulleys, 6 floor hooks, 130 feet $\frac{13}{16}$-inch manila rope, 50 feet $\frac{3}{8}$-inch reverse rope.

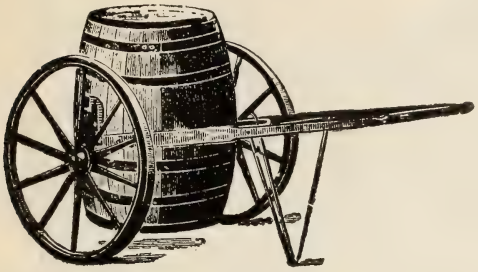
For a 60-Foot Barn.—One Carrier, 60 feet of steel track, 31 hanging hooks, 31 rafter brackets, 5 knot passing pulleys, 6 floor hooks, 160 feet $\frac{13}{16}$-inch manila rope, 60 feet $\frac{3}{8}$-inch reverse rope.

HAY TOOL SUPPLIES

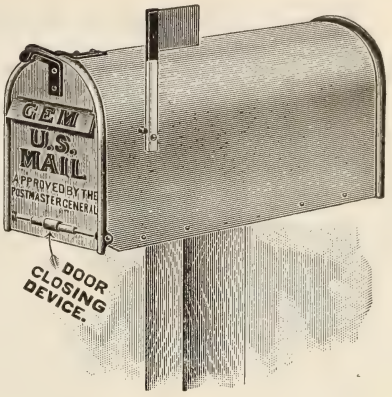
Nellis' Single Hay Fork	$2.00	Rafter Bracket	$.06
Double Harpoon Hay Fork	1.25	Extra Trips or Stops for Cars	.50
Hanging Hook for Wood Track, 14 inch	.09	Knot Passing Pulley	.30
Hanging Hook for Steel Track	.08	Plain Iron Pulley	.20
Patent Rope Hitch	.20	Steel Track, per foot	.12½
Floor Hook	.08	Pure Manila Rope, lb	.15

Estimates given on full outfits Haying Tools

WATER TRUCK WITH BARREL



Price, Plain Truck and barrel, 1½-in. tires . . $8.00
Price, Truck alone, 1 pair trunnions 6.50
Price, pair of Trunnions alone 50
Price, Extra 3-in. Tire 1.50



RURAL GEM No. 4

WITH SELF-CLOSING DOOR
(Approved by the Postmaster-General)

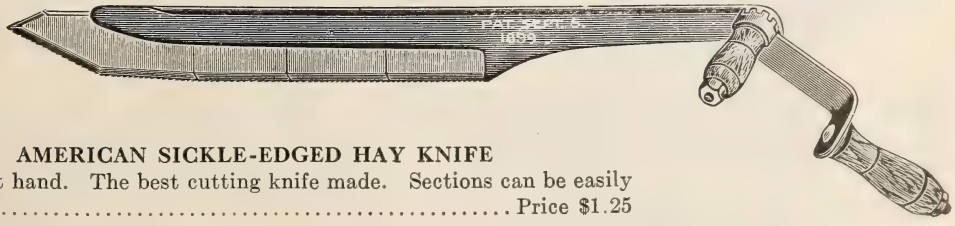
DESCRIPTION.—Made from 22-ga. galvanized steel; absolutely storm-proof; the door is hinged at the bottom and yet is kept constantly closed by a spring hinge—cannot carelessly be left open nor blown open by the wind; has a large flag, visible for a long distance and easily operated; has inside letter and penny holder; has a drop-letter hole in door; has substantial steel padlock-hasp; words "U. S. Mail" and "Approved by Postmaster-General" are embossed in door and will remain as long as the box lasts; finished in weather-proof bronze; fully one inch taller than most boxes of this style. Price, 90c each.

Cycle Ball-Bearing Steel Frame GRINDSTONE

Price, Complete, $4.50

CRYSTAL METAL FARM BELLS

No. 1, 40 pounds $2.00
No. 2, 50 pounds 2.50
No. 3, 75 pounds 3.50
No. 4, 100 pounds 4.50



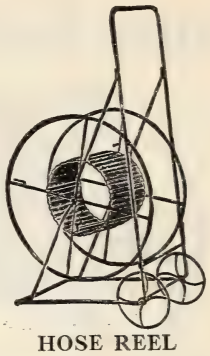
AMERICAN SICKLE-EDGED HAY KNIFE

Right or left hand. The best cutting knife made. Sections can be easily replaced . . . . . Price $1.25

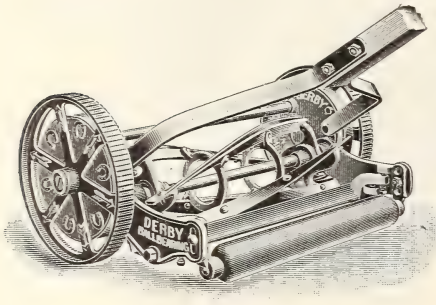
STANDARD GARDEN HOSE

Our hose gives universal satisfaction

Leader, 5 ply ¾ inch	10c. per foot.
Tiger, 6 ply ¾ inch	12c. per foot.
Boston Terrier, 7 ply ¾ inch	15c. per foot.
Dandy Red, 7 ply ¾ inch	16c. per foot.
Bull Dog, 7 ply ¾ inch	18c. per foot.
Olympia Wire wrap, 3 ply ¾ inch	12c. per foot.
Boston Nozzles	40c. each.
Fountain Lawn Sprays	60c. each.
Mayflower Lawn Sprays	$1.25 each.
Steel Hose Reels	$2.00 each.



HOSE REEL



TOWNSEND'S "DERBY"

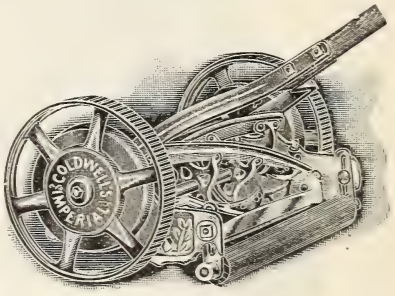
BALL BEARING LAWN MOWER

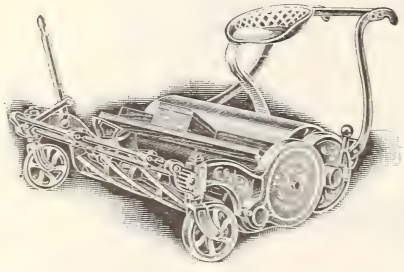
12-inch	$5.50
14-inch	6.00
16-inch	6.50
18-inch	7.00

COLDWELL'S

Imperial H. W. Lawn Mowers

14-inch High Wheel Mowers	**$7.50**
16-inch High Wheel Mowers	**8.00**
18-inch High Wheel Mowers	**9.00**
20-inch High Wheel Mowers	**10.00**





COLDWELL'S IMPROVED HORSE MOWERS

Are fitted up throughout with the best of steel shafting, composition, bushings or bearings, polished oak foot boards. Loring Coe's Knives, etc., and the workmanship is acknowledged by the trade in general to be the best of any lawn mower made in America.

These mowers have been adopted for use by the United States Government at Washington and by the New York City Park Board after competitive exhibitions of work done and durability. Each and every one of the machines is guaranteed to give entire satisfaction to the purchaser.

25-inch, with Whiffletree (no seat or shafts) (4 blades)	$40.00
30-inch, complete with seat and shafts (4 blades)	65.00
35-inch, complete with seat and shafts (4 blades)	78.00
40-inch, complete with seat and shafts (4 blades)	98.00

(Add $10.00 to above prices for 6-blade mowers.)

HORSE BOOTS, per set of 4 ..... $12.00

SHARPLES' CREAM SEPARATORS

Suspended Bowl, Bottom Feed, Low-Down Supply Can, Easy Running, No Discs

TUBULAR HAND SEPARATOR

No. 1, capacity 175 pounds per hour. Price, $40.00.
No. 2, capacity 275 pounds per hour. Price, $55.00.
No. 3, capacity 350 pounds per hour. Price, $65.00.
These three sizes are readily turned by one who is seated. They stand only 2 feet 9½ in. high; the supply can is still lower.

STAND UP SIZES

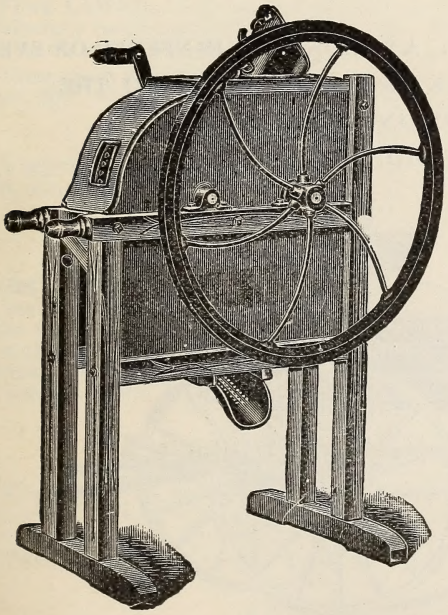
No. 4, capacity 450 pounds per hour. Price, $75.00.
No. 6, capacity 650 pounds per hour. Price, $90.00.
No. 9, capacity 900 pounds per hour. Price, $110.00.
Pulley Power Attachment, $2.50 additional.
These three sizes stand only 3 ft. 6 in. high; the supply can is still lower.

THE TUBULAR SEPARATOR marks a distinct era in dairy separator construction. An entirely new principle is involved. Separators of greater capacities than those formerly necessarily driven by steam are now easily driven by hand.

A light, simple little bowl, but two and one-half inches in diameter, suspended by a flexible steel spindle from a single ball bearing—a bowl easily turned by hand entirely free from complications of all kinds—now does more work, and does it infinitely better, than the largest steam-driven factory separator that was made but a few years ago.

PONY CORN SHELLER

It is a right hand sheller and separates cob from corn. The gearing is enclosed as cut shows. The shaftings are all turned, and castings keyed to a shoulder. It has a heavy cast iron fly wheel and runs very light. The capacity is 20 bushels per hour. Price, $7.00.



FAMILY CIDER AND WINE PRESS

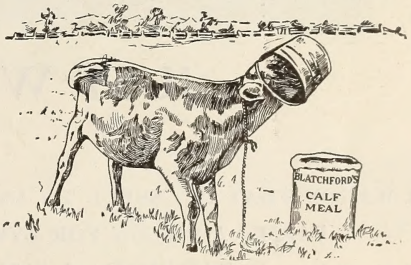
Made in two sizes, numbers 0 to 1. The No. 0 has a steel screw 1¼ in. in diameter by 22 in. long, and is provided with one tub 10½ in. high. The No. 1 has a screw 1⅜ in. diameter by 24 in. long, and is provided with one tub 11½ in. inside measurements by 12 in. high.

Price, No. 0.....$ 9.50
Price, No. 1..... ..... 10.50

"Getting the Last Drop"

BLATCHFORD'S CALF MEAL

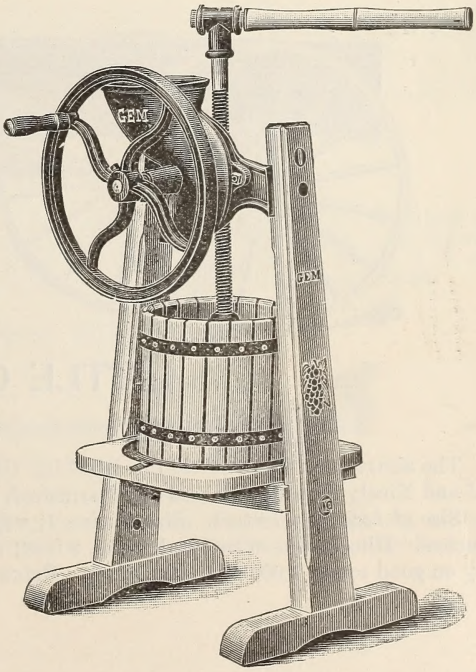
As good as New Milk at half the cost.



100 pounds makes 100 gallons of Perfect Milk Substitute.

Send for pamphlet, **"How to Raise Calves Cheaply and Successfully without Milk."**

25-pound bag $1.00. 50-pound bag $1.90. 100-pound bag $3.50.



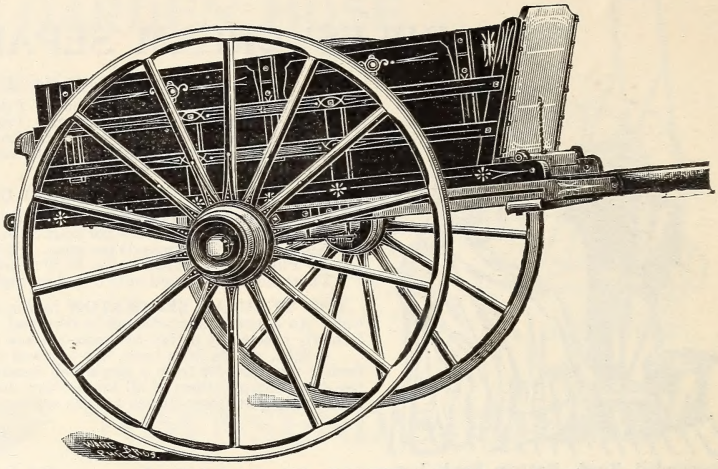
P. MANN & CO., WASHINGTON, D. C.

ACME FARM WAGONS

In One and Two Horse

ACME FARM and CONTRACTORS' CARTS

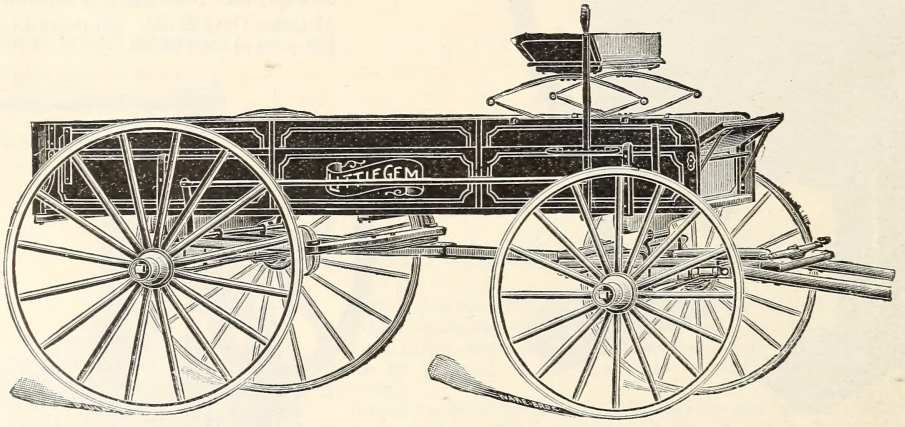
A FULL LINE OF WAGON AND CART HARNESS AND STABLE SUPPLIES



RAILROAD OR CONTRACTORS' CART

JUST WHAT YOU WANT.

A WAGON THAT IS USEFUL TO ANY MERCHANT. A WAGON THAT IS NEEDED ON EVERY FARM. A WAGON FOR EVERY DAY WORK. A WAGON TO RUN TO THE RAILROAD. A WAGON FOR CARRYING MILK CANS. A WAGON TO TAKE THE FAMILY OUT.

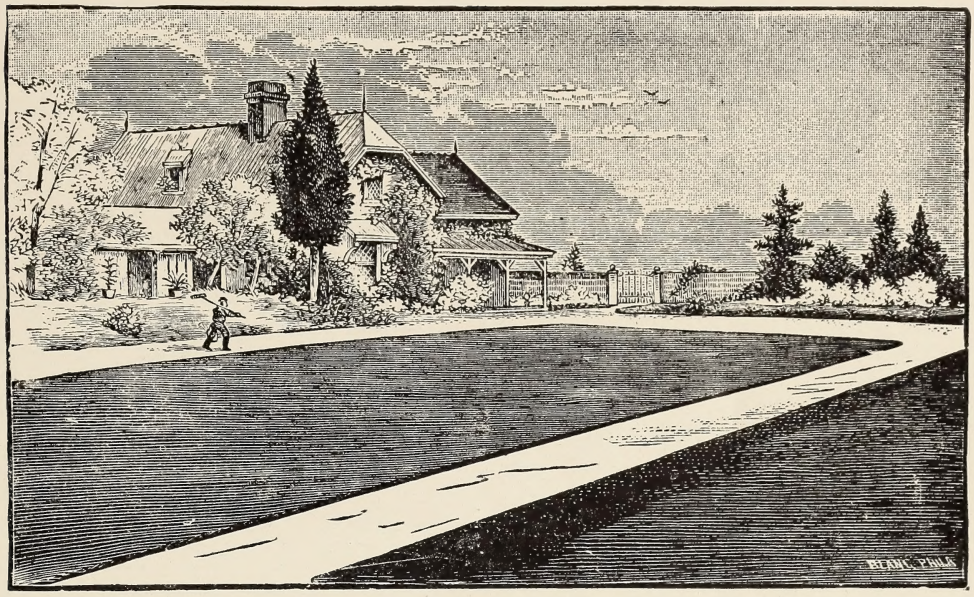


LITTLE GEM WAGON

The above is an exact cut of the LITTLE GEM WAGON, built with Patent Wheels, Good Material and Nicely Painted, Striped and Varnished, and Drop End Gate.

Size of Axle, $1\frac{1}{4}$ x 7 Steel. Size of tire, $1\frac{1}{4}$ x $\frac{5}{16}$. Height of Wheels—front 3 feet 2 inches; hind 3 feet 8 inches. Dimensions of body—Length, 9 feet; depth, 9 inches, and 4 inch top box. Estimated capacity on good roads, 1,000 to 1,200 pounds. **Price, $38.00.**

MANN'S CAPITAL CITY LAWN MIXTURE



LAWN GRASS SEED

Put Up by Us and Under Our Own Formula

FINE LAWNS.—Can only be made by using the best grade of grasses. The proper blending to give satisfactory result needs the study of years. Among some of the most beautiful lawns of Washington and its suburbs are those sown with Capital City Lawn **Grass Seed.**

These seeds should be covered very slightly and a roller run over the ground after sowing. Pint, 10c. Quart, 20c. Pound, 25c. Peck (of 3½ pounds), 75c. Bushel (of 14 pounds), $2.50.

LAWN GRASS FOR SHADY PLACES AND UNDER TREES

A selection of grasses that thrive well in shaded situations, under trees, or close to walls where there is little sun. Price: Quart, 20c. Pound, 25c. Peck (3½ pounds), 75c. Bushel (14 pounds), $2.50.

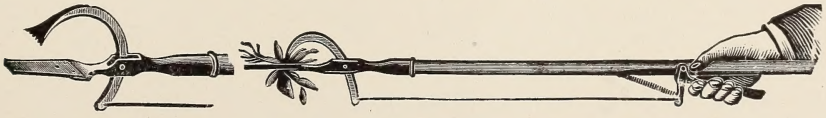
LAWN AND GARDEN FERTILIZER

Old and New Lawns Require Stimulating, after the long drag through winter, or in the fall after the season of cutting and the heat of summer. For this purpose our high grade bone meal is best adapted to the wants of the lawn. It should be sown broadcast, from the middle of February to the first of May for spring and from September to November in the fall. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing the seed. **10** pounds sow enough for **250** square feet. 10 pounds, 30c. 100 pounds, $2.00. 200-pound bag, $3.50. Special price on ton lots.

PULVERIZED SHEEP MANURE

This is purely a natural and most nutritious plant food, clean to handle, and its effect is immediate and lasting. There is nothing better to mix with soil for potting plants. Florists who use it extensively advise mixing about one-seventh manure and six-sevenths soil. As a top dressing for lawns, it is unequaled. 5 pounds, 25c. 10 pounds, 40c. 30 pounds, $1.00. 50 pounds, $1.25. 100 pounds, $2.00.

CLEVELAND LAWN WEEDER



This little device gets at the root of the evil and removes it bodily

The curved edge of the blade enters and loosens the soil, pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull suffices to dislodge it without disturbing the surrounding sod. Price, 60c.

ANNUAL

1915

SEEDS,
FARM TOOLS,
POULTRY
AND
DAIRY
SUPPLIES

P. Mann & Co., Washington, D.C.

TELEPHONE - MAIN 1121